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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30 NUMBER 1

JANUARY 1997

ISSN 0884-599

It's Still Renewal Time

The NPSO membership year is January to December.

Check your address label on the Bulletin.

If there is a 96 on the top line, we haven't received your renewal yet.

NPSO brings you field trips, programs, classes, the monthly Bulletin, and the annual Kalmiopsis. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

Membership Directory to be Published

The 1997 edition of the NPSO Membership Directory will be published in April.
If you wish to receive a copy, add two dollars to your renewal payment.

If you wish to have your address or telephone number, or both, withheld from publication in the Directory, please make a prominent note on your renewal form.

If you would like to have your e-mail address published in the Directory, please send e-mail to jddobak@teleport.com.

State News

Jan. 18, Sat.

State Board Meeting: 10 A.M. - 4 P.M. Room 302, Walker Hall, Linfield College, McMinnville. (On Linfield Ave., across the street from Dillin Commons). For more information, call Karen Sturgeon, (w) 434-2466, (h) 472-0866.

Chapter News

Blue Mountain

Jan. 6, Mon.

Meeting: 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton.

Janet Ebaugh, botanist for the Umatilla Reservation, will present a program on wet meadow restoration on the upper Grande Ronde River.

Corvallis

Jan 13, Mon. **Meeting:** 7 P.M. Room 2087 Cordley Hall, OSU campus. Dr. James Trappe, professor of mycology at OSU, presents "Trees, Truffles and Beasts."

Officers: Newly elected officers are: Danna Lytjen, president; Carolyn VerLinden, vice president; Dick Brainerd, treasurer; Keli Kuykendall, secretary.

Emerald

Jan. 27, Mon. **Meeting:** 7:30 P.M. **PLEASE NOTE THAT WE WILL MEET AT A NEW TIME AND LOCATION:** Main campus, Lane Community College. Directions: From 30th St., turn south on Eldon-Schafer Dr., go past Oak Hill School, park in the south parking lot at LCC. Walk down stairs of Science Building to room 109, which faces south parking lot. Rhoda Love, a longtime teacher of botany at LCC, will talk about the forthcoming book, Northwest Plant Hunters, of which she is one of the editors-in-chief. For more information, call Kathy Pendergrass, 683-3889.

Feb. 24, Mon. **Meeting:** 7:30 P.M. **PLEASE NOTE OUR NEW MEETING TIME AND NEW LOCATION:** Main campus, Lane Community College. (For directions, see above.) Gale Baker, teacher of botany at LCC, will talk about the plants of the Lane Community College Reserve. For more information, call Kathy Pendergrass, 683-3889.

High Desert

Jan. 28, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Lucile Housley, botanist with the Lakeview BLM, will show us slides from her recent foray to South America, including Chile, with an emphasis on the botany and ecology of the region.

Feb. 25, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Stan Kuntzman, will share his trip to eastern Russia/Siberia. He will speak to the issues of timber harvest and ecology and the local people.

Mid-Columbia

Jan. 8, Wed. **Meeting:** 7:30 P.M. Mosier School. Jerry Igo will give the premier showing of his newest video, "Cottonwoods, cattails and coots -- the wetlands of the west."

Feb. 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Jerry Baker will give a program on the flowers of his dude ranch, and how flowers and a dude ranch mix.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

Jan. 14, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Vern Nelson will speak on "Hedgerows and Windbreaks in the Pacific Northwest: Their Purpose and Native Plants."

Feb. 11, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Kate

McCarthy will talk about "The Impacts of Ski Development on Alpine Plants and Wetlands."

March 11, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Roy Beatty will tell us about "Native Plant Salvage."

Siskiyou

Jan. 16, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Paul Hosten, an independent consultant working with the Applegate Watershed Council, will present a talk, "Community Planning and the Carberry Creek Project."

Feb. 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Joan Seevers, botanist for the Medford District of the BLM, will present a slide show on "The Botanical Wonders of the Siskiyou."

March 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Elaine Plaisance and Jim Duncan will present a slide show on their "Botanical Explorations in Polynesia: New Zealand and Hawaii."

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

Jan. 9, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. Discussion of upcoming programs.

Willamette Valley

Jan. 13, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Dr. Rhoda Love will speak on the forthcoming book, Northwest Plant Hunters. **Please note that this meeting is one week earlier than usual.**

William Cusick

Jan. 15, Wed. **Meeting:** 7 - 9 P.M. Forest and Range Sciences Laboratory, Gekeler Lane and C Ave., La Grande. Please be prompt so we can take care of business before the 7:30 program which will be presented by Paula Brooks, Forest Botanist, Wallowa-Whitman National Forest. She will show slides of this area's wide diversity of spore-bearing plants -- ferns, club mosses and Botrychiums. Join us for this opportunity to view these less showy but fascinating and beautiful plants. **Repeat of canceled November program.**

Elections: They will be held at the February meeting, and the date and time will be in the February Bulletin. Nominations are open for president, vice president, secretary and treasurer. Mail nominations to: NPSO Nominating Committee, P.O. Box 885, La Grande, OR 97850, or make them at a meeting. Individuals may nominate themselves. Secretary and treasurer could be combined. Officers will serve from February, 1997 through January, 1998. President and vice president are responsible for planning and leading monthly meetings, representing NPSO in an official capacity, attending and reporting on quarterly Board meetings (at least one person needs to go), and maintaining the vigor and growth of the William Cusick Chapter. Secretary is responsible for taking minutes of monthly meetings and mailing them, and for local biannual newsletters. Treasurer handles the finances of the chapter.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send the illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time. For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

A MEMORIAL TRIBUTE

Viola Sobolik, charter member and past officer of the Willamette Chapter, died on October 9, 1996 at Dallas, Oregon. She helped create and was the first curator of the Delbert Hunter Arboretum, a garden of Oregon natives at Dallas.

Vi, as she was known to all, was no ordinary person. She touched the lives of many with her kindness and interest in others. She did it through being an intelligent and well informed plant person. A wide array of plant interests was her medium. She led NPSO field trips and shared her vast knowledge at many meetings. Her home was the terminus for a number of field trips, and her first class rock garden, which nurtured a number of Northwest natives, was an inspiration.

Vi grew up and lived in Illinois before coming to Oregon in 1976. She readily transferred her interests and expertise from the teaching and library positions at Morton Arboretum, Lisle, Illinois to gardening and natives in the Pacific Northwest. Soon, she inspired many with her sharing of knowledge and experience of Northwest natives, rock gardening, flower arranging, and most other garden subjects.

Vi Sobolik will be long remembered as a warm, friendly and humble person who gave freely of her time and knowledge.

Wilbur Bluhm, Willamette Valley Chapter

NPSO/ODA Intern Report

The following is the last in a series of three articles in which NPSO/ODA interns discuss their activities during the 1996 field season. Interns were selected from a pool of applicants and worked with scientists from the Oregon Department of Agriculture/OSU Plant Conservation Biology Program to carry out research related to threatened and endangered species in the Pacific Northwest. Project locations ranged from beaches on the coast to the high desert of eastern Oregon. Interns were jointly funded by NPSO, state, and federal dollars and plan to use their experiences to further their careers in botany and biology. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye
Plant Conservation Biology Program
Oregon Department of Agriculture

Highway Madness

I was excited by the chance to contribute to the monitoring of rare plant species, as one of the three interns selected to participate in the Native Plant Society of Oregon and Oregon Department of Agriculture's plant conservation program. This position gave me an opportunity to work with ODA botanists and an OSU graduate student on projects that included propagation, specimen collecting, species surveys, transplanting, and monitoring.

My work commenced with an excursion to southeastern Oregon for a plant survey. This trip was to get acquainted with our co-workers and to familiarize ourselves with the vegetation of eastern Oregon. In addition, species lists were compiled and specimens pressed for possible contribution to the Oregon Flora Project and the Oregon State University Herbarium respectively. This trip was followed by several treks into eastern Oregon to continue the demographic monitoring of the rare plants *Lupinus cusickii*, *Astragalus tyghensis*, and *Haplopappus radiatus*. Between these excursions, the project I worked most closely on was the reintroduction of the endangered species *Plagiobothrys hirtus* into its native habitat. This project was conducted by an OSU graduate student, Kelly Amsberry.

Plagiobothrys hirtus (Greene) Johnst. (hairy pop-

corn flower) occurs along the Umpqua Valley of southwest Oregon in Douglas County. A member of the Borage family (*Boraginaceae*), the hairy popcorn flower is less common than a related species, the fragrant popcorn flower (*P. figuratus*). Due to its limited distribution (five known populations, all in Oregon), *P. hirtus* is listed as endangered under the Oregon Endangered Species Act and by the Oregon Natural Heritage Program.

This low-lying herbaceous plant inhabits a vernal pool environment. Wetland associates include natives and non-natives such as American vetch (*Vicia americana*), Queen Anne's lace (*Daucus carota*), self-heal (*Prunella vulgaris*), common rush (*Juncus effusus*), *Sidalcea cusickii*, silver hairgrass (*Aira caryophyllea*) and the black medic (*Medicago lupulina*). This white-flowered species has two floral morphs -- small and large. The significance of the morphs has not yet been determined. It has been classified as an annual, but Kelly Amsberry observed that *P. hirtus* may act like a perennial in environmentally favorable conditions.

The objective of Kelly's project was to transplant greenhouse-grown *P. hirtus* seedlings into designated plots within its native range, with the intent of assessing the environmental parameters necessary for the survival of the species. The Yoncalla site, which lies along an I-5 right-of-way, and a site owned by The Nature Conservancy, south of Sutherlin, served as a focus for reintroduction efforts. The Yoncalla site was approximately ten feet from the rushing traffic along I-5. Needless to say, work at this site was accompanied by the deafening road noise of passing cars and trucks. The exhaust fumes from the passing cars irritated the olfactory glands, but within a few feet the aroma of mint eradicated the offensive smell. We were continually amazed that a rare species could be found in such a habitat. Unlike Yoncalla, the TNC site was buffered from the freeway by a barrier of trees which dampened the noise. This site also differed from Yoncalla by exhibiting a more botanically diverse habitat, and the co-occurrence of the species *Plagiobothrys figuratus*.

Three interns and two ODA employees helped Kelly with the preparation of her plots for the transplanting of 480 plants over a four day period. At both of the locations, we set up plots that consisted of three moisture zones: wet, medium and dry. Within each zone there were four treatments (1. weeded, 2. fertilized, 3. weeded and fertilized, 4. control -- neither weeded or fertilized). Through the midday heat we shoveled, weeded,

and struggled with a soil auger to prepare the plots for young starts. Once the labor was completed and the transplants were comfortably situated within the designated zones, we could relax knowing that the most difficult work was over.

Kelly set up the plots so we could go back and collect data periodically to quantify the effect of zone and treatment on the mortality of the starts. Upon returning to the locations, we discovered that the plants were doing quite well in expected regions (the wet zone). In contrast, the transplants in the dry and medium zones at the TNC site suffered 100% mortality. When Kelly revisits the sites next year, she will be able to see if the introduced plants have successfully established themselves. Why should success of this project be important? Relatively little is known about the life history characteristics of this species. Thus, any information that sheds light on the conditions required for the continuing viability of this plant is valuable.

I would like to thank NPSO, ODA, Bob Meinke and Tom Kaye for making it possible for me to participate in plant conservation efforts. In addition, the humor and knowledge of Anne Turner, Sarah Brown, Steve Gisler, Matt Carlson, and especially Kelly Kelly Amsberry were appreciated.

Sanyaalak Dhevi Burkhart

Idaho Rare Plant Conference

The 13th annual Idaho Rare Plant Conference will be held in Boise on February 11-12, 8:30 A.M. to 5 P.M. The location is the Idaho Power Company's corporate headquarters. Registration is \$12 prior to February 1 and \$17 thereafter. A special symposium highlighting Idaho's rare fungi and lichens, held in conjunction with the conference, will take place on February 13, 8 A.M. to Noon. The Ellen Trueblood Symposium honors the Idaho mycologist, perhaps one of the most significant contributors to our knowledge of Idaho's fungi. Special guests include Oregon mycologists Dr. Tom O'dell and Dr. Mike Castellano, who will present information from the UCRB project and on the role of fungi in the forest. For registration information, contact conference chair Nancy Cole, (208) 388-2351, or write Idaho Native Plant Society, P.O. Box 9451, Boise, ID 83707.

NPSO Electronic Mail Discussion List Launched

A Native Plant Society of Oregon electronic mail discussion list now exists on the Internet. The list will serve as a forum for the discussion of issues of concern to the Society. The initial motivation for launching the list was the decision by the members of the Landscaping with Natives Committee to conduct a continuing "virtual meeting" by e-mail, on the Internet, as a way to keep the work of the Committee going in spite of the broad geography spanned by Committee members. The list will serve as a tool for the Committee but participation is open to all, and the range of suitable discussion subjects span the full range of topics embraced by the NPSO itself.

For those of you new to electronic mail lists, the procedure is simple. First you must subscribe to the list. You do so by addressing an electronic mail message to the server, in this case, `Majordomo@teleport.com`. In the body of your message, enter the text, **subscribe npso-1** (and nothing more). The list server will automatically add your e-mail address to its table of subscribers to the NPSO list and send you an acknowledgement message explaining how to post messages to the list (and how to "unsubscribe" if you ever need to).

Once you are a subscriber, you will receive all postings to the list. Any message you post will be automatically sent to all subscribers, including you. A discussion among several participants, residing in different parts of the state, keeping very different hours, can proceed rapidly, using such a list. Late breaking news can be announced, impromptu field trips and work parties can be organized, emergency letter writing campaigns on behalf of a threatened site can be launched; the potential uses are virtually unlimited.

Most lists are not very active until a critical mass of subscribers signs on. I added the members of the Landscaping with Natives Committee as list subscribers. I announced the existence of the list on a Northwest native plant gardening list and within 24 hours a surprising number of new people signed on. Join us. This forum can be as rewarding and useful as we choose to make it.

Michael McKeag
Portland Chapter

Oregon Rare Plant Conference

This conference is sponsored by the Native Plant Society of Oregon, in cooperation with the Oregon Natural Heritage Program, the Oregon Department of Agriculture, the U.S. Forest Service and the Bureau of Land Management. It takes place every other year, and is an opportunity for botanist from across the state and from various agencies to assist in updating the listing status of Oregon's rare plant species. Anyone having information relating to Oregon's rare plants is welcome to attend.

This year, the conference will take place on March 7 - 8, 1997 in Bend, Oregon.

Schedule:

- Fri. March 7 11:30 A.M. Registration
 (\$15 by mail or at door)
 1:00 P.M. Conference starts
 1:20 P.M. Update by ODA
 1:40 P.M. Update by BLM
 2:00 P.M. Update by USFS
 2:20 - 5:30 Listing updates and
 determinations facilitated by
 ONHP, ODA, USFS, BLM
 and/or NPSO.
 6:30 Informal social.
- Sat. March 8 8:30 - 5:30 Listing updates, with
 lunch break.
 5:30 P.M. Conference adjourns.

Please send Sue Vrilakas, Oregon Natural Heritage Program, 821 SE 14th, Portland, OR 97214, (503) 731-3070, ext. 338, information on specific taxa you wish to have considered. A handout will be prepared and be available at registration. We will be able to show slides of species during the conference. **When sending recommendations to Sue, please first do the herbarium work to support them.**

Accommodations are at the attendees choice. Motels within two or three miles of COCC include Red Lion, 382-8384; Best Western Woodstone Inn, 382-1515; Rainbow Motel, 382-1821; Motel West, 800-282-5577; Cimarron Motel, 382-7711.

The conference will be held at the Hitchcock Auditorium, Pioneer Hall, Central Oregon Community College, NW College Way (on the west side of Bend, on the hill). To get there, take Greenwood/Newport about one mile west of Bend and

turn north on College Way, just uphill from the bookstore.

You may register ahead by mail and avoid a line, or register at the conference. (see schedule). Registration covers attendance, light snacks and drinks, and a mailed copy of the updated listing booklet. To register by mail, send, by February 21, to Stu Garrett, 21663 Paloma Dr., Bend, OR 97701. If you have questions, call Lisa Croft at 541-416-6571, days, or Stu Garrett, 541-389-6981, evenings.

PLEASE NOTE: The success of the Rare Plant Conference depends on participants completing the rare species pre-work. To receive your pre-work packet, send a stamped and self-addressed envelope with your registration.

This conference was planned and organized by the High Desert Chapter, Native Plant Society of Oregon.

NPSO Items For Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541) 389-6981. Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item! Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

Conference On Siskiyou Ecology

We are planning the First Conference on Siskiyou Ecology, to be held on May 30 - June 1, 1997 in Cave Junction, Oregon. It will bring together researchers from academic institutions and natural resource agencies, naturalists, students and community members interested in or working on various aspects of the Siskiyou Mountain region, as well as the Klamath Mountain region. Presentations will cover a broad spectrum of topics, including past and current research on regional flora and fauna, the botanical significance of the area, unique geological features, and historical changes influencing the integrity of the region. Keynote speakers include Dr. Art Kruckeberg, of the University of Washington, and Dr. Frank Lang, of Southern Oregon State College. There will also be educational workshops and field trips to areas of ecological interest. Of course, the unique serpentine flora of the region will be a primary focus of both presentations and outings; late May is an excellent time to see many of the Siskiyou's endemic species in bloom. The conference is being coordinated by the Siskiyou Regional Education Project and co-sponsored by the Southern Oregon State College Biology Department and the Oregon Caves National Monument. We encourage anyone interested in presenting talks or posters at the conference to send an abstract of 300 word or less **by March 1, 1997**. Send abstracts and/or requests for registration information to: Attn: Jennifer Beigel and Erik Jules, Conference on Siskiyou Ecology, , c/o SREP, P.O. Box 220, Cave Junction, OR 97523, or e-mail to: ejules@umich.edu.

Winter Twig Field Trip

The Mount Pisgah Arboretum, in Eugene, and the Emerald Chapter of the Native Plant Society of Oregon are sponsoring this outing, "Winter Twigs of the Mount Pisgah Arboretum," which will be led by Rhoda Love, and which will take place on February 1, from 10 A.M. to Noon. Participants will receive a newly-revised winter twig key (a \$2 value). If possible, please bring a hand lens, a pocket knife and a ruler.

The fee, which helps support the Arboretum's education program, is \$3.00, or \$2.00 for MPA members, and everyone is welcome. Meet at the Arboretum's visitor's center at 10 A.M. For more information, call 345-6241.

Legislative News

Hello everyone! Time again for the fun and excitement of another state legislative session. By the time you read this article the wheels will be turning rapidly in Salem. I thought it would be a good idea to alert you to discussions we need to be engaged in. Also, if you have any legislative concepts or concerns for this session please let me know so I can bring them up while I'm at the capitol. I can be reached at 222-9091 during the day, or at steveh@hevanet.com on the Internet.

The first order of business will be the budget. We need to work diligently to secure adequate funding for botanist positions in the departments of Agriculture, Parks, Forestry, and even ODOT. We have a unique chance to couple our advocacy to the Governor's strategy for salmon and healthy streams. However, I personally find it difficult to support the proposed sales tax on beverage containers. My personal preference is to seek ways for polluters to pay for recovery efforts. My personal opinion aside, I need to hear feedback from the NPSO Board and membership on their preferences on this critical issue.

On a more proactive front, I have been working on developing a legislative proposal for added measures on invasive weed control, and on native plant protection. The package would include a weed free hay certification program, incentives for using native plants in public works projects, salvage of native plants from development, and native plant education. I would like to submit this package with strong sponsorship from rural legislators so that we might maximize our chances of passage. The NPSO Legislative Committee will meet on February 1, in Salem, to discuss this proposal in greater detail. Again, comments, suggestions, and attendance are welcome.

A host of other topics will certainly fill our plate during the session. We are sure to see legislation from the Department of Forestry, Water Resources, State Lands and Agriculture that can have some serious ramifications for our efforts to protect native plants. I will make every effort to keep you posted as the session progresses.

Steve Hinton
NPSO Legislative Chair

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Is this a change of address?

If so, please write your **old address** here:

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() New () Renewal
 () Student. \$12
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CONTRIBUTIONS to NPSO are tax deductible.

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Membership is for the calendar year.
New memberships enrolled after September 1
include the following year.

Send completed form and full remittance to:
Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

STATE OFFICERS

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Send change of address notices
and membership requests to:
Native Plant Society of Oregon
Jan Dobak, Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

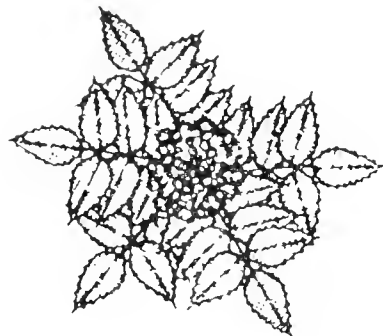
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NEW YORK
BOTANICAL GARDEN

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NATIVE PLANT SOCIETY OF OREGON

World Wide Web: <http://www.teleport.com/nonprofit/npso>

General Business Address: P. O. Box 902, Eugene, OR 97440

or correspond directly with the Officers and Committee Chairs listed on the inside back page.

Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412



Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 2

FEBRUARY 1997

ISSN 0884-599

It's Still Renewal Time

The NPSO membership year is January to December.

Check your address label on the Bulletin. If there is a 96 on the top line, we have not received your renewal yet.

NPSO brings you field trips, programs, classes, the monthly Bulletin and the annual Kalmiopsis. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

Membership Directory to be Published

The 1997 edition of the NPSO Membership Directory will be published in April. If you wish to receive a copy, add two dollars to your renewal payment.

If you wish to have your address or telephone number, or both, withheld from publication, please make a prominent note on your renewal form.

If you would like to have your e-mail address published in the Directory, please send e-mail to jddobak@teleport.com.

It's Tax Time -- See Page 19

State News

Nomination of Officers: Nominations for state president, vice president, secretary, treasurer and three directors are **due by February 10**. Submit them to Mike McKeag, 503-642-3965, Bob Ottersberg, 541-963-6043, or Veva Stansell, 541-247-7153.

State Board Meeting: 10 A.M. - 4 P.M. on a Saturday in April. Place and date to be determined.

Chapter News

Blue Mountain

- Feb. 3, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Jerry Baker will give a program on the flowers of his dude ranch, and how flowers and a dude ranch mix.
- March 3, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Vicky Erickson and Nancy Berlier, USFS, will talk about the Forest Service Native Species Program.

Corvallis

- Feb. 10, Mon. **Meeting:** 7:30 P.M. Room 2087 Cordley Hall, OSU campus. Barbara Wilson of the Carex Working Group will talk about "The Joy of Sedges."

Emerald

- Feb. 24, Mon. **Meeting:** 7:30 P.M. Main campus, Lane Community College. Directions: From 30th St., turn south on Eldon-Schafer Dr., go past Oak Hill School, park in the south parking lot at LCC, walk down stairs of Science Building to room 109, which faces south parking lot. Gale Baker, teacher of botany at LCC, will talk about the plants of the Lane Community College Reserve. For more information, call Kathy Pendergrass, 683-3889. **PLEASE NOTE NEW MEETING TIME AND PLACE.**

High Desert

- Feb. 25, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Stan Kuntzman will share his trip to eastern Russia/Siberia. He will speak to the issues of timber harvest and ecology and the local people.

Mid-Columbia

- Feb. 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Jerry Baker will give a program on the flowers of his dude ranch, and how flowers and a dude ranch mix. A Bar M Ranch sweatshirt and a ranch-baked loaf of bread will be given to some lucky person.
- March 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Mike Fahey will talk to us about gardening with natives.
- April 13, Sun. **Spring Wildflower Show:** 10 A.M. - 4 P.M. Mosier School.

North Coast

For information on North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

- Feb. 11, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Kate McCarthy will talk about "The Impacts of Ski Development on Alpine Plants and Wetlands."

March 11, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Roy Beatty will tell us about "Native Plant Salvage."

Siskiyou

Feb. 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Joan Seevers, botanist for the Medford District of the BLM, will present a slide show on "The Botanical Wonders of the Siskiyou."

March 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Elaine Plaisance and Jim Duncan will present a slide show on their "Botanical Explorations in Polynesia: New Zealand and Hawaii."

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

Feb. 13, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. Russ Holmes will update us on BLM activities.

Feb. 22, Sat. **Field Trip:** To the Cow Creek area to see twigs and early blooms. Meet at 8 A.M., BLM parking lot, 777 Garden Valley Blvd., Roseburg. Call 673-3709 for more information.

Willamette Valley

Feb. 24, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Scott Sundberg will speak on the Oregon Flora Project. **PLEASE NOTE: MEETING ONE WEEK LATER THAN USUAL.**

William Cusick

Feb. 19, Wed. **Meeting:** 7-9 P.M. Forest and Range Sciences Laboratory, Gekeler Lane and C Ave., La Grande. Jerry Igo will present the new NPSO promotional video and discuss ways to use it for outreach.

Elections: They will be held at this meeting. Nominations are open for president, vice president, secretary and treasurer. Mail nominations to: NPSO Nominating Committee, P.O. Box 885, La Grande, OR 97850, or make them at the meeting. Individuals may nominate themselves. Secretary and treasurer could be combined. Officers will serve from February, 1997 through January, 1998. President and vice president are responsible planning and leading monthly meetings, representing NPSO in an official capacity, attending and reporting on quarterly Board meetings (at least one person should go) and maintaining the vigor and growth of the William Cusick Chapter. Secretary is responsible for taking minutes at monthly meetings and mailing them, and for local biannual newsletters. Treasurers handle the chapter's finances.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

Bulletin of the Native Plant Society of Oregon; John Robotham, Editor; 117 NW Trinity Pl. #28, Portland, OR 97209.

Published monthly. Subscription price \$18/year. ISSN 0884-599. Date and issue number on page 1.

Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send the illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest," by Hitchcock, or "The Jepson Manual," where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time. For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

A Native Plant Success Story

Population Dynamics of the Rare Hairy-Stemmed Checker-Mallow In an Abandoned Coastal Pasture

The appearance and increase of a population of *Sidalcea hirtipes* (hairy-stemmed checker-mallow) in an abandoned pasture on the Oregon coast prompted research into how and why a rare plant suddenly appeared and increased its population in a once inhospitable environment. (See the NPSO Bulletin, September, 1995, for the first article on this research).

The successful biological control of *Senecio jacobaea* (tansy ragwort) in 1983 at a coastal pasture site in Oregon used three biological control agents: ragwort flea beetle (*Longitarsus jacobaeae*), cinnabar moth (*Tyria jacobaeae*) and ragwort seedfly (*Botanophila seneciella*). Following a drastic decline in tansy ragwort at this pasture site, *Sidalcea hirtipes* appeared in one area of the pasture. Since the appearance of *S. hirtipes* in the pasture in 1985, the plant population has expanded from three distinct patches to seven distinct patches. The objectives of the 1996 research included mapping new and old patches of *S. hirtipes* at the site; protection of the patches from elk grazing and trampling; observations of flowering stalks; seed set, and collection of seed; determination if the plant is self-pollinated; and general observations about the ecology of *S. hirtipes*.

We used the same method to locate and map patches as we used in the past two years. Patches were located by a systematic sweep of the site in three to four meter intervals. Upon discovering a patch, a stake was placed in the approximate center and the distance to the edge was measured in eight directions (N, NE, E, SE, S, SW, W, NW). A patch was defined as an area the plant covered that was separated by two meters from another patch. We placed colored yarn around the edge of each patch, to help us delineate them throughout the field season.

In 1994, two patches, A & B, were visible, with patch B consisting of only a few leaves. In 1995, patch B was not evident but a new patch, C, was found. In 1996, six patches were found in the pasture. The total area of the patches in 1994 was 253.2 square meters, in 1995 it was 397.38 square meters, and in 1996 they covered 336.34 square

meters. Even though the total area is less in 1996 than 1995, the patches are very dynamic and are possibly spreading. After careful observations, we found that all the flowers were pistillate and no viable seed was set on any flowering stalks bagged or unbagged this field season. There was again evidence of grazing

and trampling of the plants during the field season.

Since the *Sidalcea* plants are heavily grazed by elk or deer, we constructed circular cages of chicken wire which were stabilized by driving into the ground three wooden dowels woven through the outer edge. The tops of the cages were bent over so we could get into them if we needed to check on the plants. Once flowering began we bagged flowering stalks both inside and outside the cages. We did this to see if plants would set seed if self-pollinated and if they did not set seed to try and propagate the seeds and test for seed viability. All cages and plants were metal tagged and numbered for identification and location.

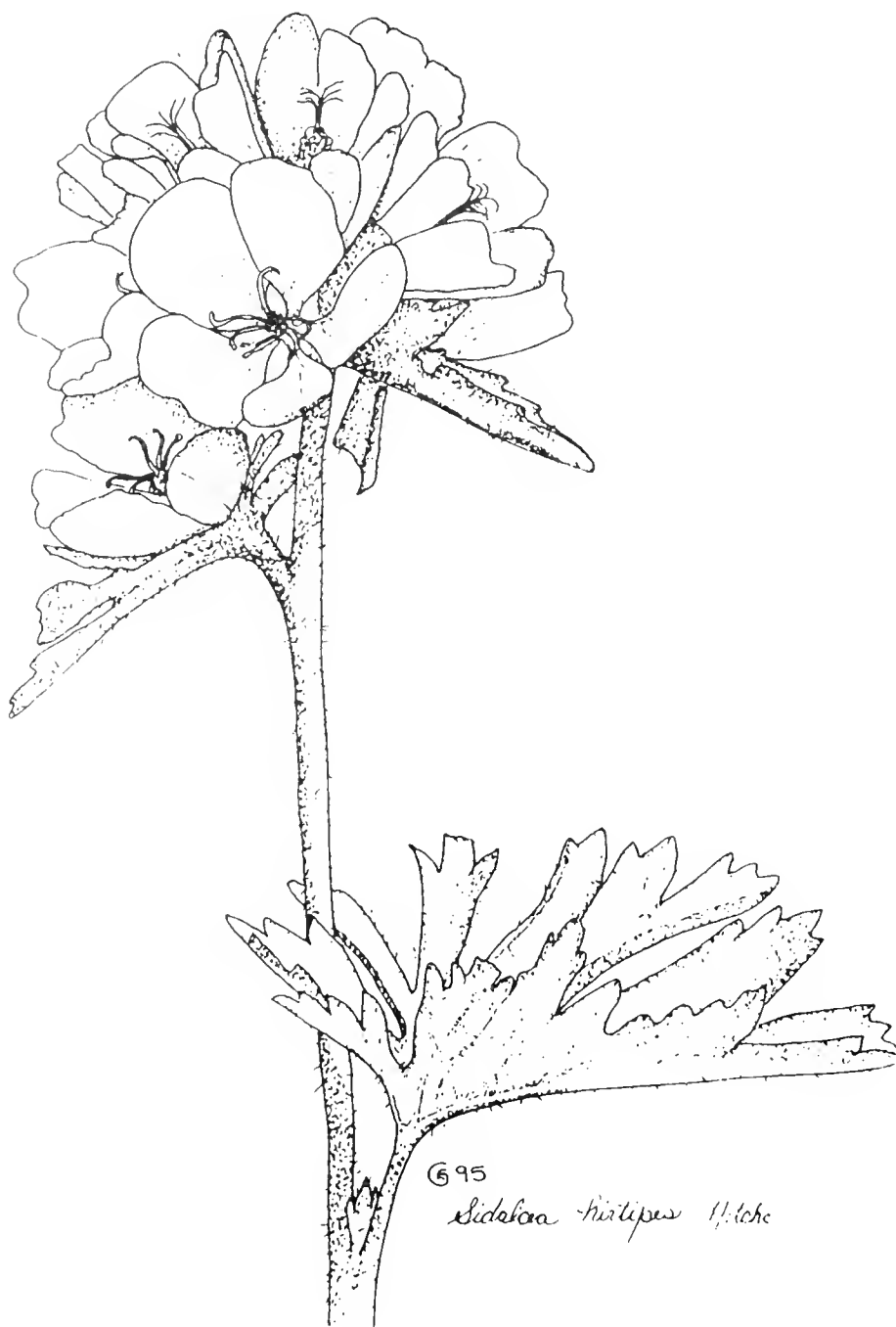
Two times during field work this year elk were seen in the pasture, verifying that they do frequent the pasture to either forage, bed down or walk through to the estuary. A number of cages in the trodden path were bent over but the tags were still intact. A caterpillar was found grazing on a *Sidalcea* flowering stalk and when reared turned out to be *Vanessa arabella*, West Coast Lady. Host plants are primarily mallows (Malvaceae). The range of West Coast Lady is the Pacific Slope from British Columbia to Baja California, and east as a transient to the western edge of the Great Plains. These butterflies do not undergo the massive emigrations of the Painted Lady and can tolerate moderate winters. In addition to the above observations, a few more native plant species were noticed in the pasture for the first time since 1983. These included *Marah oreganus*, *Lupinus* sp. and *Scrophularia californica*.

In mapping the new and old patches of *Sidalcea hirtipes* we found a dynamic population that is possibly spreading in the pasture. In three years of recording the patches, the population has increased from one large patch to six distinct patches. In observation of flowering stalks, all the stalks were pistillate with no seed set. Since there was no seed set it is possible that this population is a clone spreading by rhizomes. The number of native plant species in the pasture has increased since the decline of tansy ragwort and the appear-

ance of a butterfly species associated with *Sidalcea*, giving us hope that the diversity of fauna and flora is improving with time in a once inhospitable environment.

The research was made possible by a 1996 Leighton Ho Field Botany Award, a Native Plant Society of Oregon grant.

Esther Gruber McEvoy
Ayn Whytemare
Corvallis Chapter



Drawing by Esther Gruber McEvoy

We Welcome New Members Joining From 10/6/96 to 12/19/96

Blue Mountain

Sarah Walker

Emerald

John Coggins
Stacey Janssen
Bart Johnson
Greg and Gail Miles
Elizabeth Orr
Pat Patterson
Heather Powell
Rebecca Ries

High Desert

Mark G. Lesko
Don McCartney
Karen Theodore

Portland

Carol Brown
Jackie Dyrhaus
Jill Jones
Lisa Karst
Landscape Renovations
Molly Sullivan
Melissa Waggy

Siskiyou

Margaret Meierhenry

Willamette Valley

Meredith Cote
Joyce Lueders

William Cusick

Linda Rooper

Klamath Marsh Outing

The Oregon Natural Resources Council and the U.S. Fish and Wildlife Service invite conservation organizations and interested individuals to help plant willow trees in the Klamath Marsh National Wildlife Refuge on Friday and/or Saturday, April 11 and 12, and go on a birding/refuge field trip on Sunday, April 13. Wendell Wood, ONRC's South Central Field Representative, will lead the birding trip to Wocus Bay or other parts of the refuge. Please come for a day or an extended weekend. Heated sleeping spaces, restrooms and kitchen facilities are provided at ONRC's Field Station adjacent to the marsh. You may arrive as early as Thursday night, and may also tent or car camp at specified locations.

Participants should rendezvous at refuge headquarters at 9:30 A.M. on Friday and Saturday mornings. Meet at Wendell's cabin for evening "marsh music marches" along the refuge, slide shows, the Sunday field trip, and early morning efforts to see a Great Gray Owl. Evening slide presentations will focus on refuge bird species and on conservation issues concerning the Klamath Basin National Wildlife Refuges.

The refuge is about 90 miles south of Bend and 48 miles north of Klamath Falls and is a 2.5 to 3 hour drive from Medford, Roseburg or Eugene. Turn off Highway 97 on to the Silver Lake Highway, near the 228 mile post (0.5 miles south of the Sand Creek store). The turnoff is signed for Klamath Forest Wildlife Refuge and Silver Lake. The refuge headquarters is well marked, approximately 17.5 miles down this paved road, east of Highway 97 on your left.

To attend, please send notification before April 3. Tell us the number of people in your party and which day(s) you can attend. Please come fully self-contained with food, sleeping bag, extra pair of shoes, flashlight, binoculars, mosquito repellent, gloves, small hand (and heavy-duty branch) clippers and a gunny sack. Please also let us know if you can volunteer a pick-up truck for willow branch hauling. While ONRC will coordinate weekend reservations, the Klamath Marsh NWR can be contacted at: HC 63 Box 303, Chiloquin, OR 97624, (541) 783-3380.

For more information, contact Wendell Wood, ONRC South Central Field Representative, 943 Lakeshore Drive, Klamath Falls, OR 97601, (541) 885-4886 or (541) 783-2206.



Reprinted from Western Wetland Flora
U.S. Department of Agriculture

Corvallis Chapter Offers Research Grant Opportunities

The Corvallis Chapter intends to award several \$300 to \$500 grants again this year, to support research and education on Oregon's native flora. Past Chapter grants have supported research on phytogeography of Oregon sedges, taxonomic studies of *Calamagrostis breweri*, and a photographic inventory of Ascomycete fungi of Iron Mountain and the Drift Creek Wilderness. Requests for funding should be limited to 1-2 pages and include: (1) the purpose of the research, (2) the methodology to be used, (3) a budget. Successful applicants will be required to describe their projects and results at a Chapter meeting, and/or in a Bulletin article. If the research requires collections of plant material, specimens shall be donated to the Oregon State University Herbarium. Send requests for funding to Danna Lytjen, 2357 NW Green Circle, Corvallis, OR 97330. The deadline is March 30, 1997.

Richard Brainerd
Corvallis Chapter Treasurer

Plant Keys Available for Windows

The computer plant keys previously available for Idaho, Oregon and Washington, are now also available for southern British Columbia, and for Windows. A Mac version should be ready very soon. For information, price lists, etc., contact Bruce Barnes, Flora ID Northwest, 135 SE 1st, Pendleton, OR 97801, 541-278-2222 (O), or 541-276-5547 (H), FAX 541-276-8405, or dbarnes@orednet.org. Detailed information is also on www.pullman.com/Business/xid.

A Short Walk on Mount Pisgah

On March 1, from ten A.M. to noon, Daphne Stone will lead an investigation of the miniature plant world. Explore the rich world of mosses and lichens that inhabit the Arboretum, learn about their fascinating structures and life cycles, identifying the most common. Meet at the Mount Pisgah Arboretum Visitors' Center in Eugene. The donation is two dollars.

1997 NPSO/ODA Conservation Biology Internships Available

During the 1997 field season, the Oregon Department of Agriculture and the Native Plant Society of Oregon will once again sponsor internships in plant conservation biology. This program, in effect since 1990, is intended to provide an initial research experience for individuals considering conservation biology as a career choice. Open to anyone (except previous interns), priority will be given to life science (especially botany or biology) undergraduates, recent graduates, or individuals seriously thinking of a change in career orientation toward conservation. Applicants must be available in early May.

We are currently recruiting for two full-time summer interns to assist with our program's ongoing field projects. Interns contribute field and/or laboratory assistance to ODA/OSU scientists working on several projects during the summer. The internships will run for sixteen weeks from early May through August, and will be involved with a diversity of projects dealing with plant demography, population monitoring, habitat management, species reintroduction, and plant breeding system studies. Also, interns will be expected to contribute an article to the NPSO Bulletin summarizing some aspect of their summer work.

Interns receive a summer stipend of \$2500 in addition to a trip stipend of \$20-\$45 per day for food and lodging. Extensive field work (often including overnight car camping) will be required, so applicants should be in good physical condition. All activities will be coordinated out of Oregon State University in Corvallis, requiring interns to live in the mid-Willamette Valley area.

The deadline for internship application is March 28, 1997. To apply, send a letter of interest, resume, college transcripts (unofficial copies okay), and a writing sample (such as a recent term paper or essay) to the address below. Be sure to state when you would be available to start work. Finalists may be interviewed in Corvallis or Salem. If you have any questions, please contact:

Tom Kaye or Steve Gisler
Department of Botany and Plant Pathology
2082 Cordley Hall, Oregon State University
Corvallis, OR 97331-2902
(541) 737-2346 or 737-4420
E-mail: kayet@bcc.orst.edu

It's Tax Time

The Internal Revenue Service requires non-profit organizations to acknowledge in writing all contributions of \$75 or more. We believe that this has been done, but any member who has not received an acknowledgement should contact the Membership Committee immediately.

The Board of Directors has adopted a policy that the first \$18 of any membership payment represents value received (subscription to Bulletin and Kalmiopsis), and only that part of the dues payment exceeding \$18 is considered tax deductible for federal and state income tax purposes. Members requiring further information should consult their tax advisers.

Jan Dobak
Membership Committee

Volunteer Opportunity in Eugene

A volunteer is needed for the Condon Museum of Fossils, at the University of Oregon in Eugene. The work varies, depending on the interests of the person. It can include cleaning casts from large bones of mammals or identifying and entering information on fossil plants. A large collection of plants from Oregon needs to be put into a database. Three people (retired science teachers) now work on Wednesday afternoons.

If you are interested, call (541) 346-4577.

OREGON RARE PLANT CONFERENCE

This year, for the first time, the plant list will be available electronically, on line. It can be downloaded after February 24, 1977 at www.abi.org/nhp/us/or. It will also be available at the meeting. Conference details were printed in last month's Bulletin.

[See next page for map.]

Grant Proposals Requested

The Native Plant Society of Oregon continues sponsoring small research grants. Objectives of the program are: (1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora, particularly in the more remote areas of the state, and (2) to promote native plant conservation through better understanding of Oregon's flora and the factors affecting its survival. The Leighton Ho Field Botany Award, with priority on study west of the Cascades, has sometimes been given as a matching grant in cooperation with The Nature Conservancy; their research details can be obtained from Cathy Macdonald, Director of Stewardship, 821 SE 14th Ave., Portland, OR 97214, (503) 230-1221. NPSO's program policy and guidelines can be obtained from Dan Luoma, Research Grants Committee Chair, 3740 NW Harrison Blvd., Corvallis, OR 97330-4395, or from NPSO's Web site at: <http://www.teleport.com/nonprofit/nps>.

The deadline for proposals is April 1, 1977.

NPSO ITEMS FOR SALE

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541) 389-6981. Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

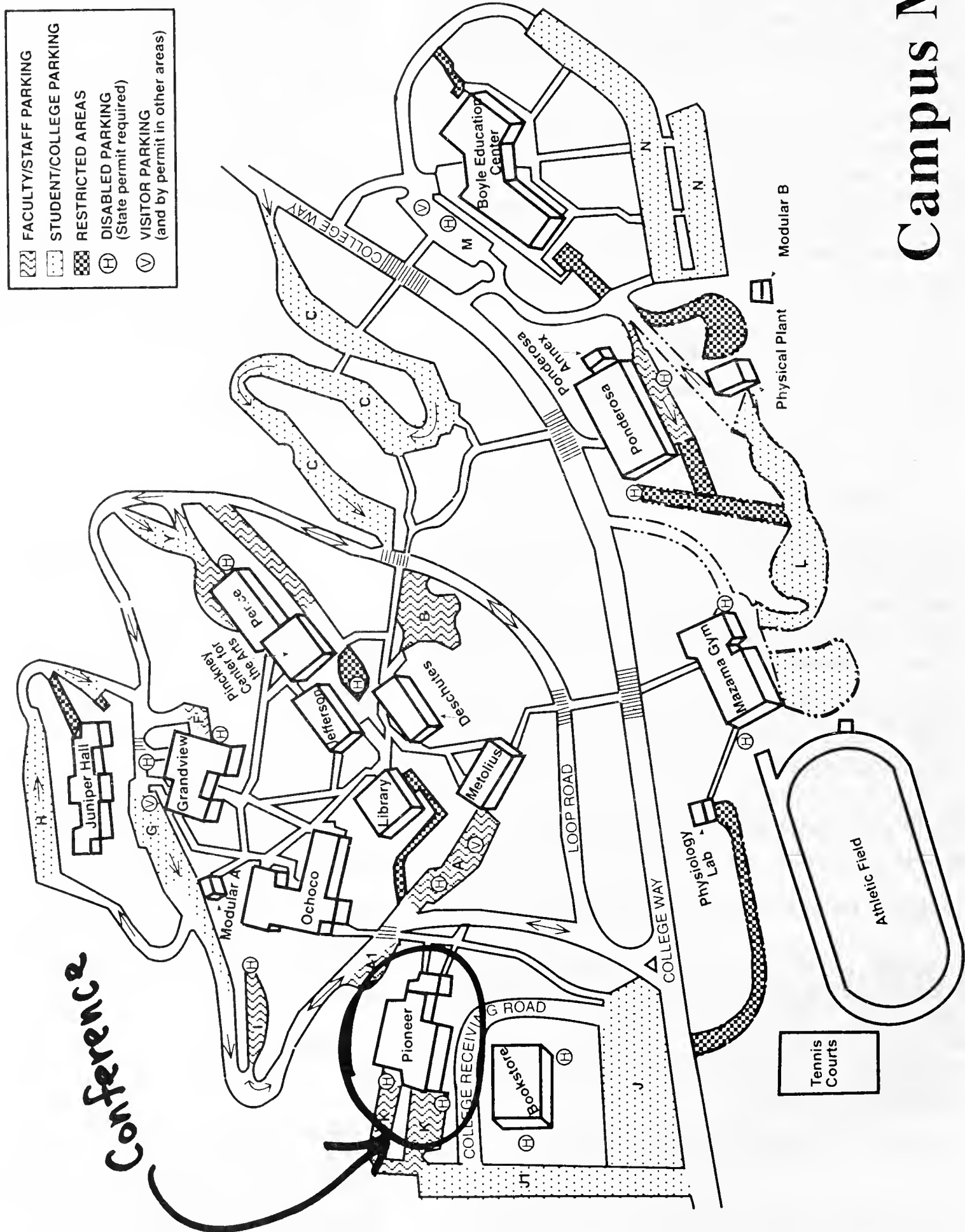
NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett for \$1. Minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item! Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

Central Oregon Community College

Bend, Oregon 97701-5998 • (503) 383-7700 or 1-800-422-3041 (in Oregon)



Campus Map

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Address _____

City _____

State _____ ZIP+4 _____ - _____

Phone _____

Chapter (if known) _____

If so, please write your old address here:

NATIVE PLANT SOCIETY OF OREGON

() New () Renewal

() Student. \$12

() Regular..... \$18

() Family..... \$24

| | |
|---------------------|-------|
| () Sustaining..... | \$50 |
| () Patron..... | \$100 |

| | |
|--------------------------|-------|
| () Patron..... | \$100 |
| () Life Membership..... | \$500 |

() Life Membership. \$500

() Subscription Only (*Bulletin and Kalmiopsis*). \$18

Only for those wishing to subscribe

but not have "membership" status

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund, \$

Leighton Ho Memorial Field Botany Award Fund. . \$ _____

Rare and Endangered Plant Fund. \$

Membership is for the calendar year.

New memberships enrolled after September 1 include the following year.

Send completed form and full remittance to:

Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

| | | |
|--------------------------|-------|---|
| DIRECTORS (to 6/97) | | Dave Dobak, Rhoda Love, Kareen Sturgeon |
| DIRECTORS (to 6/98) | | Dick Brainerd, John Koenig, Charlene Simpson |
| PRESIDENT | | Michael Igo..... P.O. Box 603, Mosier, OR 97040; |
| IMMEDIATE PAST PRESIDENT | | Bruce H. Rittenhouse....550 Fillmore, Coos Bay, 97420-2811; w:756-0100; h: (541) 888-9328 |
| VICE PRESIDENT | | Veva Stansell..... PO Box 6077, Pistol River, OR 97444-1675; (541) 247-7153 |
| SECRETARY | | Heather Laub..... P.O. Box 225, Mt. Hood Parkdale, OR 97041; (541) 352-7679 |
| TREASURER | | Jean M. France..... 5877 SW Kennycroft Way, Lake Oswego, 97035-7023; (503) 639-0741 |

| | | |
|---------------------------------|------------------------|--|
| BLUE MOUNTAIN (Pendleton) | Jerry Baker..... | 58840 Bar M Lane, Adams, OR 97810-3003; (541) 566-3381 |
| CORVALLIS | Danna Lytjen..... | 2357 NW Green Circle, Corvallis, OR 97330; (541) 758-6153 |
| EMERALD (Eugene) | Kathy Pendergrass..... | 1891 E. 19th Ave., Eugene, OR 97403-2022; (541) 683-3889 |
| HIGH DESERT (Bend)..... | Stu Garrett..... | 1501 NE Medical Center Dr., Bend, OR 97701; (541) 389-6981 |
| MID-COLUMBIA | Allen Bell..... | P.O. Box 680, White Salmon, WA 98672; (509)-493-4212 |
| NORTH COAST | Christine Stanley..... | P.O. Box 201, Cannon Beach, OR 97110-0201; (503) 436-0161 |
| PORTLAND | Shane Latimer..... | 1605 SE 36th Ave., #3, Portland, OR 97214-5123; (503) 232-7405 |
| SISKIYOU | Barbara Mumblo..... | 4009 Yale Creek Rd., Jacksonville, OR 97530; (541) 899-1812 |
| SOUTH COAST | Tim Rodenkirk..... | 611 N. 12th St., Coos Bay, OR 97420; (541) 269-4696 |
| UMPQUA VALLEY (Roseburg) | Richard H. Sommer..... | 240 Vinyard Lane, Roseburg, OR 97470-9754; (541) 673-3709 |
| WILLAMETTE VALLEY (Salem) ... | Tom Jenkins..... | 14380 Salt Creek Rd., Dallas, OR 97338-9307; (503) 623-8850 |
| WM. CUSICK (La Grande) | Barbara Russell..... | 804 Jefferson Ave., La Grande, OR 97850; (541) 963-6043 |

| | | |
|-------------------------------|---------------------|--|
| EDUCATION | Jerry Igo..... | P.O. Box 603, MOSIER, OR 97040 |
| RARE AND ENDANGERED | Bruce Newhouse..... | P.O. Box 902, Eugene 97440; (541) 343-2364 |
| CONSERVATION, EAST SIDE | Stu Garrett..... | 1501 NE Medical Center Dr, Bend 97701; (541) 389-6981 |
| CONSERVATION, WEST SIDE | Kate Dwire..... | 429 SW 10th St., Corvallis 97333; w: 754-4493; h: (541) 757-7115 |
| LEGISLATIVE | Steve Hinton..... | 623 NE Brazee St., Portland 97212; (503) 281-4124 |
| MEMBERSHIP | Jan Dobak..... | 2584 NW Savier St, Portland 97210-2412; (503) 248-9242 |
| BUDGETS AND GRANTS | Dan Luoma..... | 3740 NW Harrison, Corvallis 97330; (541) 752-8860 |

BULLETIN EDITOR John Robotham.....117 NW Trinity Pl, Apt. 28, Portland 97209; (503) 226-6371
KALMIOPSIS EDITOR David Kennedy..... 8394 Wagner Creek Rd., Talent 97540; (541) 535-6383

Send change of address notices
and membership requests to:
Native Plant Society of Oregon
Jan Dobak, Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

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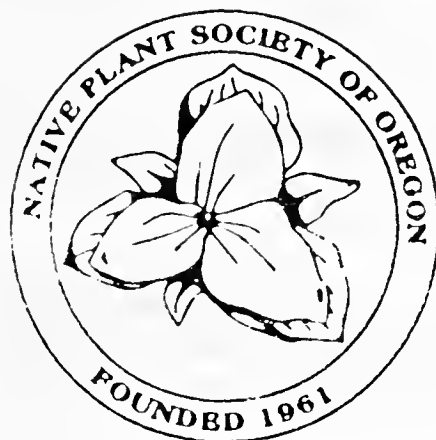
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NATIVE PLANT SOCIETY OF OREGON
World Wide Web: <http://www.teleport.com/nonprofit/nps>
General Business Address: P. O. Box 902, Eugene, OR 97440
or correspond directly with the Officers and Committee Chairs listed on the inside back page.
Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 3

MARCH 1997

ISSN 0884-599

Kalmiopsis Wilderness Threatened -- See Inside

Has Your Membership Expired?

If there is a "96" at the top of your address label, this is the last Bulletin you will receive -- until you send your membership renewal for 1997.

Membership Directory to be Published

The 1997 edition of the NPSO Membership Directory will be published in April. If you wish to receive a copy, add two dollars to your renewal payment.

If you wish to have your address or telephone number or both withheld from publication in the Directory, please make a prominent note on your renewal form.

If you would like to have your e-mail address published in the Directory, please send e-mail to: jddobak@teleport.com.

State News

June 6 - 8

Fri. - Sun.

Annual Meeting: See inside for details and **two registration forms**.

April 26, Sat..

State Board Meeting: 10 A.M. - 4 P.M. Douglas County Museum, Douglas County Fairgrounds, Roseburg. Directions: Take I-5 exit 123 south toward fairgrounds, then first right to Museum. Tour of Douglas County Herbarium (same location) can be arranged. The Glide Wildflower Show is the same weekend.

Chapter News

Blue Mountain

March 3, Mon.

Meeting: 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton.

Vicky Erickson and Nancy Berlier, USFS, will talk about the Forest Service Native Species Program.

Corvallis

- March 10, Mon. **Meeting:** 7:30 P.M. Room 2087, Cordley Hall, OSU campus. Rhoda Love, longtime teacher of botany at Lane Community College, will talk about the forthcoming book, *Northwest Plant Hunters*, of which she is one of the editors-in-chief.
- April 14, Mon. **Meeting:** 7:30 P.M. Room 2087, Cordley Hall, OSU campus. Camille Tipton will give a talk on "Conserving the Cloud Rainforests of Northwestern Ecuador." Little remains of this high montane forest where biodiversity equals that of the Galapagos Islands.

Emerald

- March 22, Sat. **Field Trip:** Mosses in the urban setting, with Dave Wagner. Meet: 10 A.M., bus kiosk, Kincaid and 13th, across from the U. of O. Will explore around the U. of O. campus, then across the river to Alton Baker Park. Bring lunch if you wish to picnic after the field trip (sometime around 1 P.M. Contact Dave, 341-4169, for further information.
- March 31, Mon. **Meeting:** 7:30 P.M. Main campus, Lane Community College. Directions: From 30th St., turn south on Eldon-Schafer Dr., go past Oak Hill School, park in south parking lot at LCC, walk down stairs of Science Building to room 109, which faces south parking lot. John Stimac, a geology teacher at OSU and LCC, will give a presentation on "An example of an extreme geologic event; an ash flow tuff and its effect on the environment."
- April 12, Sat. **Field Trip:** LCC Forest Reserve. 9 A.M. - Noon. Meet: South parking lot above the Science Building, LCC main campus. (See directions for meetings.) We will explore the Reserve area and add to the species list. *Cimicifuga elata* and *Aster vialis* are of particular interest. Please call Gail Baker, (541) 747-4501, extension 2085, for more information.
- April 19, Sat. **Field Trip:** Learn about, and search for, the federally endangered Bradshaw's desert parsley (*Lomatium bradshawii*) in the Upper Amazon Basin of South Eugene. Meet: S. Eugene H.S., parking lot, 9 A.M. We'll start looking at one small and one large population, then learn basic search techniques and split into teams to search the Upper Amazon for new populations. Bring lunch, clothes appropriate for weather, and boots for soggy ground. Leader: Bruce Newhouse.

High Desert

Meeting: No meetings in March or April.

Mid-Columbia

- March 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Mike Fahey will talk to us about gardening with natives.
- March 23, Sun. **Field Trip:** Tom McCall Preserve. Joint trip with The Nature Conservancy and the Portland Chapter of NPSO. (See Portland Chapter below, for details.) Contact Barbara Robinson, 541-478-3293.
- March 30, Sun. **Field Trip:** Cherry Orchard Trail. Joint trip with Portland Chapter of NPSO. (See

Portland Chapter below for details.) Contact Barbara Robinson, 541-478-3293.

April 2, Wed. **Meeting:** 7:30 P.M. Mosier School. Bob Ottersberg will give a presentation on plants and soils.

April 13, Sun. **Spring Wildflower Show:** 10 A.M. - 4 P.M. Mosier School.

North Coast

For information on North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

March 2, Sun. **Field Trip:** Hoyt Arboretum. Stretch your legs and learn about native trees and shrubs in a walk along some of the trails of Hoyt Arboretum. Learn to distinguish the principal conifers of western Oregon and try your hand at keying some of the more common deciduous trees and shrubs, even before their leaves emerge, using distinctive characteristics of bark, twigs and buds. The leaves and blossoms of Indian plum (*Oemleria cerasiformis*) should be out and perhaps the secretive spring queen (*Synthlipsis reniformis*) will be discovered. Meet: 10 A.M., Hoyt Arboretum visitor's center, 4000 SW Fairview Blvd., Portland. Contact Greg Stone, 652-1531, for more information.

March 8, Sat. **Field Trip:** Catherine Creek. Moderately strenuous hike up the Atwood Road with the option of descending cross country. Great show of spring wildflowers, including *Sisyrinchium douglasii* and *Fritillaria pudica*. Walking: Up to 5 mi., elev. gain 1000 ft. Driving: 150 mi. RT. Leave: 8 A.M., Lewis and Clark State Park. Second meeting place: 9:30 A.M., Bingen Winery parking lot. Contact: Sara Barnum, 503-639-3353.

March 11, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson, Portland. Roy Beatty will tell us about "Native Plant Salvage."

March 16, Sun. **Field Trip:** Three Bench Loop. Hike about 7 mi. R.T., with 500 ft. elev. gain. Hike in open grassland at Devil's Hole, see unusual rock formations, pretty streams, abundant wildflowers. Leave: 8 A.M., Gateway/99th Ave. Park & Ride, near southeast corner of parking lot. Take exit 7 from I-84, turn immediately right onto NE 99th Ave. Second meeting: 9:30 A.M., Rest Area at M.P. 74, Washington Hwy. 14. Cross Columbia River on Hood River Bridge at exit 64 from I-84. Call Russ Jolley, 503-286-2350.

March 22, Sat **Field Trip:** East bank of Deschutes River. Explore this area north of Sherar's Bridge. Car botanizing trip, with minimum walking. Meet the elegant *Viola trinervata* and the slimy *Mimulus jungermannioides*. Driving: 220 mi. RT. Return to Portland, 6 P.M. or later. Leave: 7:30 A.M., Lewis and Clark State Park. Contact: Jan and Dave Dobak, 248-9242, jddobak@teleport.com.

March 23, Sun. **Field Trip:** Tom McCall Preserve. 4 mi., easy trails. Explore oak savanna, biscuit and swale meadows and pond margin habitats. Expect to see grass widow (*Sisyrinchium douglasii*), prairie star (*Lithophragma glabra*), yellow bells (*Fritillaria pudica*) and many more. Joint trip with The Nature Conservancy and Mid-Columbia Chapter. Leave: 8:30 A.M., Lewis and Clark State Park. Second meeting: 10 A.M., Rowena Crest Viewpoint. Contact Barbara Robinson, 541-478-3293.

March 30, Sun. **Field Trip:** Cherry Orchard Trail. Bring lunch, water, your favorite plant guide. Be

prepared for sun and wind. 6 mi. RT, steep climb of about 1000 ft., through beautiful oak woodlands, with expansive river views and wildflowers, including shooting star (*Dodecatheon poeticum*), glacier lily (*Erythronium grandiflorum*) and desert parsley (*Lomatium grayii*). Joint trip with the Mid-Columbia Chapter. Leave: 8:30 A.M., Lewis and Clark State Park. Second meeting: 10 A.M., trailhead parking lot, half mi. east of Lyle on Hwy. 14, immediately east of the double tunnels on north side of hwy. Contact Barbara Robinson, 541-478-3293.

- April 5, Sat. **Field Trip:** Two part plant identification class. Session I. Leach Garden, Portland, 9 A.M. - 12 A.M. Do you want to know more about our native flora, but find yourself bewildered by the huge variety of plants and frustrated by plant keys? These classes, taught by Marty Stein, USFS botanist, and offered in cooperation with the Leach Garden, will include an introduction to the basic principles of plant taxonomy, definition of botanical terms, lessons in the use of plant keys, and practice in recognizing the main features of the most common plant families. Includes hands-on identification with the native plants at the Garden. Dress for the weather. Class limit: 25. Fee: LGF or NPSO members \$25, non-members \$30. To register call Leach Garden, 761-9503.
- April 12, Sat. **Field Trip:** Plant identification class. Session II. Leach Garden, Portland, 9 A.M. - 12 A.M. (See April 5, above, for details.)

Siskiyou

- March 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Elaine Plaisance and Jim Duncan will present a slide show on their "Botanical Explorations in Polynesia: New Zealand and Hawaii."

South Coast

- May 17 - 18
Sat. - Sun. **Wildflower Conference:** The Southern Oregon Coast/SW Oregon Wildflower Conference, in Charleston, Oregon, focuses on the diverse and unique flora of the southern Oregon coast and the Siskiyou Mountains. Saturday: Presentations on rare plants of the area, local wildflower hot spots, and impacts of exotic vegetation. Sunday: Field trip to unique coastal habitats south of Bandon. Admission for entire weekend is \$20. For more information, call Bruce Rittenhouse, 756-01000 (days), or 888-9328 (evenings).

Umpqua Valley

- March 13, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. A presentation by Richard Halliwell on the plants of north central Oregon.
- March 22, Sat. **Field Trip:** Looking at lichens. Meet at 8 A.M. at the BLM parking lot, 777 Garden Valley Blvd., Roseburg. Call 673-3709 for more information.

Willamette Valley

- March 17, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Peter Zika will speak on "The Natural History of the Amazon."

William Cusick

- March 19, Wed. **Meeting:** 7-9 P.M. Forest and Range Sciences Laboratory, Gekeler Lane and C Ave., La Grande. 7-8 P.M. Business: We will continue planning our spring, summer and fall field trips. Suggestions are welcome. 8-9 P.M. Program: Janet Ebaugh, botanist

for the Umatilla Tribes, and Lorna Williamson, private landowner, will do a slide presentation on the restoration of McCoy Meadows, a wet meadow on the upper Grande Ronde River. Among other things, they will discuss vegetative restoration, weeds and bird box monitoring. Come find out how you can help with this project, or just enjoy the show.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guide for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kind of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it's not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

The 1997 Glide Wildflower Show

The 31st Glide Wildflower Show will take place on Saturday, April 26 and Sunday April 27 from 9 A.M. to 5 P.M. (8 to 9 A.M. for photographers only) in the Glide Community Building, 20062 N. Umpqua Highway, Glide, Oregon 97443. It will also be open on April 28 for school groups. The show includes hundreds of wildflowers from southwestern Oregon, as well as exhibits and specimens of trees, shrubs, lichens, liverworts, mosses, ferns and grasses. Photographs of rare and endangered species will be displayed, and there will be special programs with slides and guest speakers.

Admission to the show is free, but donations to help defray expenses are welcome. The location is 17 miles east of Roseburg, and it takes place the same weekend as the NPSO State Board meeting to be held in Roseburg, so take advantage of the opportunity to do both. For more information, call Simone Grissette, 541-672-1584, or Gyan Surya, 541-496-3429, or write to: GWS, Box 332, Glide, OR 97443.

NPSO Annual Meeting

The Willamette Valley Chapter invites you to the 1997 annual meeting which will be held at "Camp Cascade." The Camp is located on the banks of the Little North Fork River in scenic Elkhorn Valley, forty miles east of Salem in the foothills of the Cascade Mountains. Meals and men's and women's dormitory lodgings are available on-site. Those wishing to camp will find BLM campgrounds nearby along the Little North Fork of the North Santiam River. Other recreational sites in the area are: Elkhorn Valley Golf Course, and Salmon Falls County Park. A detailed map and directions to Camp Cascade will be included with your registration confirmation.

Friday evening, June 6th: Exhibits and registration will be open at 5 P.M. An (optional) walk around the Camp's 1-mile nature trail will start at 5:30 P.M. A slide show, "Wildflowers of the Willamette Valley and Cascade Mountains," will begin at 7 P.M. **No dinner will be served on Friday evening**, but there will be light snacks and refreshments during the evening.

Saturday morning, June 7th: Breakfasts will be served at 8 A.M. Your **pre-ordered** sack lunches can be picked up at breakfast. All Saturday field trips will leave from Camp Cascade at 9 A.M.

Saturday evening: Social hour begins at 5:30 P.M., followed by the banquet at 6:30 P.M. After dinner, new state officers will be installed.

The evening's speaker, Dr. Scott Sundberg, a Faculty Research Associate at Oregon State University, will discuss the Oregon Flora Project which he coordinates. The primary goal of the Project is to produce a Flora of Oregon and an Oregon Plant Atlas in both paper and computerized forms. The ramifications of this project are exciting to both professional botanists and amateur enthusiasts. Volunteers from the Native Plant Society of Oregon have been involved in this project from its inception.

Sunday morning, June 8th: The State Board meeting will begin at 9 A.M.

Annual Meeting Field Trips

(All field trips leave from Camp Cascade)

Trip 1. Opal Creek Wilderness. ALL DAY, MODERATE, 7 MILE ROUND TRIP. The trail follows Opal Creek into the heart of one of the last pristine areas in Oregon's Cascade Mountains. The Opal Creek watershed has been the center of a 25-year controversy, and only last fall received protection from logging activity through Congressional action, led by retiring Senator Mark Hatfield. Our trip through this classic ancient cathedral forest includes views of trees estimated to be 1000 years old, waterfalls, the old mining community of "Jawbone Flats" and lovely pools in Opal Creek, most notably, Opal Pool.

Trip 2. Kingston Prairie: HALF DAY, EASY. One of the newest Nature Conservancy preserves in Oregon, Kingston Prairie is the largest remnant of native prairie known to the central Willamette Valley. Its untilled soils harbor native plant species seldom seen elsewhere today. Among its rarities is a population of Bradshaw's lomatium (*Lomatium bradshawii*), the white topped aster (*Aster curtus*), and the Willamette Valley daisy (*Erigeron decumbens* var. *decumbens*). The Prairie is also home to one of the few remnants of red fescue (*Festuca rubra*) valley grassland known to still survive in the Willamette Valley. The site also harbors wet meadows dominated by native tufted hairgrass (*Deschampsia cespitosa*). Both prairie types host a thriving diversity of native wildflowers including slender cinquefoil (*Potentilla gracilis*), meadow checker-mallow (*Sidalcea campestris*) and *Camassia quamash* and *Camassia leichtlinii*. The Western meadowlark, Oregon's state bird, nests at the Prairie.

Trip 3. Kingston Prairie and Santiam River Old Growth Remnant: FULL DAY, EASY, 2 MILE ROUND TRIP. This trip will visit Kingston Prairie (see trip 2) and continue on to a nearby remnant of low-elevation old growth fir, on the banks of the North Santiam River. The trip will include a look at "Bird Haven," an outstanding example of using biological control of insect pests by providing habitat for their predators -- nest boxes for swallows and roosts for bats.

Trip 4. Henline Mountain: FULL DAY, STRENUOUS, 6 MILE ROUND TRIP. The goal of this trip is a ridge near the top of Henline Mountain, and the special plants to be seen up there. Among them are: Fremont's silktassel (*Garrya fremontii*) and maidenhair spleenwort

(*Asplenium trichomanes*). The mountain is also home to a representative mountain flora as the trail passes through old growth Douglas fir, with beargrass and manzanita coloring the higher elevations. The fine view, extending beyond the Little North Santiam's forest-rimmed valley to Mt. Jefferson is an added reason to make the trip!

Trip 5. Mt. Horeb: FULL DAY, EASY, 1.5 MILE ROUND TRIP. The rocky ledges of Mt. Horeb provide a fine display of Cascade mountain flora including a large display of beargrass (*Xerophyllum tenax*). Two rather uncommon liliaceae are found here: silverback liliaceae (*Luina hypoleuca*) and slender liliaceae (*L. stricta*). Views of the North Santiam River Canyon below are other rewards.

Trip 6. Little North Fork River Trail: FULL DAY, MODERATE, 4 MILES. This trail along the south side of the Little North Fork River was constructed by volunteers from Salem to showcase a less well-known portion of the river's bank. Along the up-and-down streamside trail, hikers pass through mossy, old-growth forests and by hidden waterfalls. There is riparian flora as well as forest plants of the lower Cascade Mountains. This will be a one-way trip, using car shuttles to return to the trail head.

Trip 7. Henline Falls/Nearby Rock Cliffs: HALF-DAY, EASY, 0.5 MILE ROUND TRIP TO FALLS. The entrance to the old Silver King Mine occupies part of the rock wall under 60-foot Henline Falls. Access to the Falls is over the old mining road through a hemlock-fir forest. Weeping-wall plants can be seen near the Falls. A short cross-country scramble will take hikers to nearby rock cliffs that provide habitat for an outstanding display of rock plants.

Trip 8. Monument Peak: FULL DAY, EASY, 2 MILE ROUND TRIP. Monument Peak provides one of the better displays of the flora of the Cascade Mountains. Its great diversity results from its being a meeting ground for foothill and mountain species. Wet meadows below the Peak and the rocky habitat atop the summit provide excellent botanizing. The small-flowered penstemon (*Penstemon procerus*), mountain owl-clover (*Orthocarpus imbricatus*), tufted saxifrage (*Saxifraga cespitosa*) and the spotted saxifrage (*S. bronchialis*) all grace the summit area.

Trip 9. Silver Falls State Park: FULL DAY, MODERATE, 5 MILE ROUND TRIP. The crown jewel of the Oregon State Parks system, its

ten waterfalls, streams and forest provide a great variety of native plant habitat. This trip will include weeping-wall plants near the waterfalls and the opportunity to see some unusual streamside plants such as Hall's isopyrum (*Isopyrum hallii*) and Scouler's corydalis (*Corydalis scouleri*).

Trip 10. Wildflowers for Photographers: FULL DAY, EASY. This trip will be geared to the special needs and interests of photographers and the trip site will be determined by where the most wildflowers are blooming, and are also easily accessible to photographers loaded down, as they often are, with camera gear and heavy tripods. The luxury of having time enough to properly photograph your specimen will be provided!

Trip 11. Wallace Hansen Native Plant Nursery/Martha Springer Botanical Garden: HALF DAY, EASY. The Hansen Nursery, east of Salem, specializes in the production of native Northwestern plants. Ample time will be allowed to tour the nursery. The Martha Springer Botanical Garden at Willamette University in Salem is a small, unique and colorful botanic garden and it includes several Oregon native plant habitats.

NPSO Items For Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item! Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455, \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

We Welcome New Members Joining From 12/20/96 to 2/8/97

At Large

Rich Easterly and Debra Salstrom
Andrea Nelson

Corvallis

Jack Brookshire
Claire Closmann
Jackie Poppleton

Emerald

Carol Jacobs
Steve Kriegh
Mary Anne Linden
Mary Elizabeth Turner

High Desert

Marna Tallman

Mid-Columbia

Patti Kaplinski

Portland

Lynda Boyer
Nancy Chapman
Celeste Colasurdo
Jack Dalton
Dan Grimes
Mary Hollenbeck
Scott Holub
Dan Korgan
Anne Levenhagen
Chris Miller
Linda Robinson
Ian Sinks
Rob Stockhouse
Ross Tewksbury

Siskiyou

Kate Jackson
John Roth

Willamette Valley

Phil Berg-Rempel

Joy Cripps

William Cusick

Nancy Hellyer

Oregon Flora Project Gets Grant From NPSO

At their last meeting the Board of Directors of the NPSO awarded a grant to the Oregon Flora Project (which includes the Oregon Plant Atlas Project) to support project activities in 1997. The grant was especially important to us. It, along with contributions from a number of individual donors, has boosted the funds of the Flora project to the point that we are now able to hire a student part time to take over many aspects of managing the Atlas database. Over the past year a large portion of my time has been devoted to database management and I will now be able to spend much more time on other project activities. Thanks for your support!

Scott Sundberg
Coordinator,
Oregon Flora Project

BOTANY SCHOLARSHIP AVAILABLE

The Jean Davis Memorial Fund is again offering a scholarship for the 1997-98 school year in the amount of \$1000.

This will be given to a full-time student enrolled in plant systemics or plant ecology in the state of Oregon.

We are looking for undergraduates who have completed two years of college work.

To receive more information and an application, which must be submitted by May 1st, please call or write to: Harriet Schoppert, 11265 Phantom Lane SE, Stayton, OR 97383, (503) 859-2613.

Harriet Schoppert
Committee Chair

News of the Rare and Endangered

As the new chairperson of the Rare and Endangered Plants Committee, I wanted to update you on some issues concerning Oregon's rare plants. As most of you know, the state of Oregon has developed a commission to look into building more prisons in various locations across the state. Well, it appears that the state has overlooked a few environmental concerns, such as state listed plant species. Apparently this prison commission did not do any environmental assessment work, such as contacting ODA or ONHP, prior to selecting proposed sites. For example, they have proposed a prison site in the Medford area which includes populations of two state listed plant species, *Lomatium cookei* and *Limnanthus* sp. The Siskiyou Chapter has written letters to Governor Kitzhaber and to Bob Meinke indicating their concerns. What is needed from the other chapters is to see if any new prison sites are being proposed in their areas, and to determine if there are any impacts on native plants. If there are any rare plant concerns, let Bob Meinke know.

I am also in the process of developing rare plant lists for each chapter, based on the 1995 edition of the ONHP list. These lists will include all List 1 species (rare or threatened throughout range). I should be able to get them out to chapters sometime this year. I am hoping chapters will use these lists to prioritize the species and begin conducting additional inventories, and/or monitoring them. With the recent changes in USFWS policy, we need to begin collecting more specific data regarding population trends, threats, etc. With state and federal agencies under tight budgets, it is time for groups such as NPSO to assist with this work. This kind of data will also help prepare proposals to add species to the candidate list, if and when necessary.

Bruce Rittenhouse, Chair
Rare and Endangered Committee

Natural Areas Association Conference

The Natural Areas Association will hold its 24th Annual Conference, August 27 - 30, 1997, in Portland, Oregon. The theme of "Bridging the Natural and Social Landscape" will challenge us to find areas of common ground and to form linkages between the natural and the cultural/socio-economic values of landscapes. We plan to re-assess the role of all kinds of natural areas in today's society and to examine the role they may play in the future.

The Conference will include symposia, contributed papers and poster sessions, field trips, social events and business meetings.

For information about the Conference and/or papers, write to: Natural Areas Association, ATTN: 1997 Conference Information, PO Box 23712, Tigard, OR 97281-3712. Or, contact Kathleen Bergquist, Conference Coordinator, at (503) 579-2920, e-mail kbconnor@ix.netcom.com.

Kalmiopsis Wilderness Threatened By Roads, Resort, Logging, Mining

In what's shaping up to be an ugly, multi-faceted battle over motorized use of Kalmiopsis Wilderness trails, miner/developers say they're planning to build a destination resort on 60 acres of patented mining claims straddling the Little Chetco River (tributary of the National Wild and Scenic Chetco) in the heart of the Kalmiopsis Wilderness. More recently, the owner of the claims says he now plans to log the land and wants a permit to haul the logs through the Wilderness. The Forest Service is preparing an environmental impact statement on a special use permit for motorized access to the patented Little Chetco mining claims. Scoping comments are urgently needed.

KALMIOPSIS WILDERNESS TRAILS AND RS 2477 PUBLIC RIGHTS OF WAY

The Little Chetco area is accessed by 12 miles of Wilderness trails which are also used as a primitive 4-wheel drive mining access road. The owner of the 60 acres of patented claims as well as 100 acres of unpatented claims, insists he has the "right" to the motorized use of these trails. He contends that he doesn't need a special use permit

to access his patented claims, despite Forest Service regulations, because trails are public roads or rights of way by the authority of an obsolete law (1866) known as RS 2477.

WILDERNESS, WILD RIVERS AND WILD STEELHEAD AND SALMON

The Kalmiopsis is a wild, rugged 179,000 acre Wilderness in the Siskiyou Mountains of southwest Oregon. It has two National Wild and Scenic Rivers running through it (the Chetco and the Illinois). The Chetco supports critical runs of wild steelhead and cutthroat trout, and chinook and coho salmon. Steelhead and coho are proposed for listing under the Endangered Species Act. The Kalmiopsis also has two primitive bulldozed mining roads running through it. These roads serve as primary hiking trails. One trail goes to the Little Chetco River and the Alleman mining claims.

ROADS AND FATAL NON-NATIVE PORT ORFORD CEDAR ROOT DISEASE

About six years ago, a fatal, non-native root disease was introduced into the Kalmiopsis Wilderness in the area of the mining claims on the Little Chetco River. The pathogen, fatal to Port Orford cedar and Pacific yew, spreads from infected to uninfected areas by the transport of its spores trapped in the mud on the bottom of vehicles and on equipment. Once introduced into a drainage the disease can spread rapidly downstream and kill entire stands of Port Orford cedar. The cedar provides the primary streamside shade and large wood for many Kalmiopsis Wilderness streams, including the Little Chetco, and for sensitive plant wetlands. The Forest Service anticipates an increase in water temperature and other impacts from the loss of the riparian cedar on the Wild and Scenic Chetco River. As irreparable as the introduction of the root disease is, continued motorized use of the trail to the Little Chetco will cause even greater ecological havoc by spreading the root disease into the uninfected upper Wilderness watershed of the Chetco River.

ABUSES -- 1872 MINING LAW, WILDERNESS ACT AND FOREST SERVICE REGULATIONS

The Kalmiopsis miner/developers are attempting to define this struggle over motorized use of Wilderness trails as an infringement of their property rights. But the real issue here is that this "property" was acquired through a 150 year old law designed to facilitate mining in the 19th century not

real estate development, speculation or logging as is being attempted in the Kalmiopsis. The issue is that these 60 acres of patented mining claims are land and river preserved by an Act of Congress for "preservation and protection in their natural condition ... to secure for the American people of present and future generations the benefits of an enduring resource of Wilderness" (Wilderness Act 1964). Furthermore, the mining provisions of the Wilderness Act were not meant to facilitate logging, motorized recreation and resort development.

The Little Chetco/Kalmiopsis Wilderness mining claims were purchased and patent applied for recently, almost 20 years after the Wilderness Act and with full knowledge of its access restrictions. The Forest Service (i.e. taxpayer) paid for the mineral exams recommending the patent and footed the before and after administrative costs. When the patents were granted in 1988, the American public was paid \$2.50 per acre (price of placer claims under 1872 Mining Law) for their National Forest Wilderness river front property.

Five years later a plan was submitted to log the Little Chetco claims but access restrictions interfered. Then the root disease was introduced. In 1994 the owner offered to sell the patented claims back to the public for \$850,000.00. In 1996, an associate of the owner announced to the local newspaper that he and others drove the Wilderness without authorization and the destination resort and public right-of-way angles surfaced.

The period for scoping comments formally ended on January 17, but the Forest Service will still accept comments, in light of the claim owners most recent proposal to haul logs through the Kalmiopsis Wilderness. Also send letters to your senator and congressperson. Send comment letters to: District Ranger, Illinois Valley Ranger District, 26568 Redwood Hwy., Cave Junction, OR 97523.

The Forest Service's proposed action would "allow motorized vehicular access over 12 miles of existing low-standard road within the Wilderness. The landowner would be responsible to maintain the road to standards ... established by the Forest Service during the analysis."

Write or e-mail the Siskiyou Project, PO Box 220, Cave Junction, OR 97523; siskiyou@igc.apc.org to be on the mailing list for Kalmiopsis Action Alerts.

Barbara Ullian
Siskiyou Chapter

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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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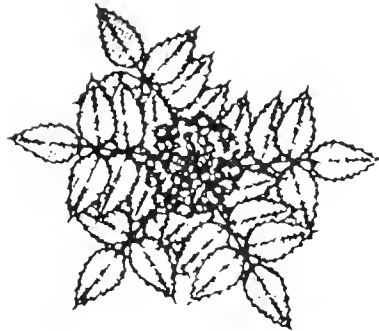
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NATIVE PLANT SOCIETY OF OREGON

World Wide Web: <http://www.teleport.com/nonprofit/npso>

General Business Address: P. O. Box 902, Eugene, OR 97440

or correspond directly with the Officers and Committee Chairs listed on the inside back page.

Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412



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Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

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Rough & Ready Creek Mining Threat -- See Inside

State News

June 6 - 8

Fri. - Sun.

Annual Meeting: Camp Cascade. See inside for details, and **two registration forms.**

April 26, Sat..

State Board Meeting: 10 A.M. - 4 P.M. Douglas County Museum, Douglas County Fairgrounds, Roseburg. Directions: Take I-5 exit 123 south toward fairgrounds, then take first right to Museum. Tour of Douglas County Museum (same location) can be arranged. Also take advantage of the timing and location to visit the Glide Wildflower Show on the same weekend.

Chapter News

Blue Mountain

April 7, Mon.

Meeting: 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Mitchell Zachs will talk about nature photography.

April 26, Sat.

Field Trip: Umatilla Wildlife Refuge. Meet at the NE corner of Pendleton Safeway parking lot, 8 A.M., or the refuge headquarters in Irrigon, 9:15 A.M. Leader: Bruce Barnes, 541-276-5547.

May 10, Sat.

Field Trip: Squaw Creek Canyon., a tributary of Umatilla River, east of Pendleton. Meet: NE corner of the Pendleton Safeway parking lot, 9 A.M. Leader: Jerry Baker, 541-566-2244.

May 31, Sat.

Field Trip: Squaw Creek Lookout/Poverty Flats/Cabbage Hill. Meet: NE corner of the Pendleton Safeway parking lot, 9 A.M. Leader: Bruce Barnes, 541-276-5547.

Corvallis

- April 12, Sat. **Field Trip:** Lichens of MacDonald Forest. Meet: 9 A.M., OSU parking lot, corner of Monroe and 25th Sts., across from the Beanery. A lab session at noon will follow the tour for those interested in pursuing the subject further. Leader: Eric Peterson. Contact Carolyn, 752-7132, for more information.
- April 14, Mon. **Meeting:** 7:30 P.M. Room 2087, Cordley Hall, OSU campus. Camille Tipton will give a talk on "Conserving the Cloud Rainforests of Northwestern Ecuador." Little remains of this high montane forest where biodiversity equals that of the Galapagos Islands.

Emerald

- April 5, Sat. **Field Trip:** An easy walk beside cascading Sweet Creek in a beautiful coast range valley settled in 1879 by Oregon Trail pioneer Zarah Sweet. We'll see *Erythronium revolutum*, the pink coast fawn lily, and much more. Leave S. Eugene H.S. parking lot, 9 A.M. Bring lunch and dress for weather. Leader: Charlene Simpson, 465-1059.
- April 12, Sat. **Field Trip:** LCC Forest Reserve. 9 A.M. - Noon. Meet: South parking lot, above the Science Building, LCC main campus. (See directions for meetings) We will explore the Reserve area and add to the species list. *Cimicifuga elata* and *Aster vialis* are of particular interest. Please call Gail Baker, (541) 747-4501, extension 2085, for more information.
- April 19, Sat. **Field Trip:** Learn about, and search for, the federally endangered Bradshaw's desert parsley (*Lomatium bradshawii*) in the Upper Amazon Basin of South Eugene. Meet: S. Eugene H.S. parking lot, 9 A.M. We'll start by looking at one large and one small population, then learn basic search techniques and split into teams to search the Upper Amazon for new populations. Bring lunch, clothes appropriate for weather, and boots for soggy ground. Leader: Bruce Newhouse, 343-2364.
- April 28, Mon. **Meeting:** 7:30 P.M. Main campus, Lane Community College. Directions: From 30th St., turn south on Eldon-Schafer Dr., go past Oak Hill School, park in south parking lot at LCC, walk down stairs of Science Building to room 109, which faces south parking lot. Colin Long will speak on his graduate thesis, "The Holocene Fire History and Vegetation Changes at Little Lake, Central Coast Range, Oregon."
- May 18, Sun. **Wildflower Show:** Mt. Pisgah Spring Festival and Wildflower Show. Exit 30th Ave./LCC just south of Eugene, and go east over I-5. Follow signs. 10 A.M. - 4 P.M. Hundreds of species of local wildflowers will be on display!
- May 18, Sun. **Field Trip:** West Eugene Wetlands Mitigation Site Tour. Meet: West Eugene BLM office (on the east side of Danebo St. just north of Hwy. 126), at 1 P.M. (to 5 P.M.) for a tour of local wetland mitigation sites. Led by BLM botanist Kathy Pendergrass, 683-3889.

High Desert

- Meeting:** No meeting in April.
- April 26, Sat. **Field Trip:** Warm Springs Indian Reservation. We are invited to visit selected areas on the Reservation for botanizing. Gary Clowers has spent many years laying out trails and protecting sensitive areas on the Reservation. He will be our guide for this unique opportunity. Call trip co-leader, Stu Garrett, 389-6981 evenings, for details.

May 18, Sun. **Native Plant Show:** The Central Oregon Environmental Center, 16 NW Kansas, Bend, will be taken over, on this day, by Oregon's native species. Howie Braunstein and his students will gather common examples of native plants from a variety of central Oregon ecosystems and display and identify them. Stop by the Center between 11 A.M. and 4 P.M. to see the display.

Mid-Columbia

April 2, Wed. **Meeting:** 7:30 P.M. Mosier School. Bob Ottersberg, a consultant on soils and vegetation, will give a slide presentation on how soils and other site factors affect plant communities.

April 13, Sun. **Spring Wildflower Show:** 10 A.M. - 4 P.M. Mosier School.

April 27, Sun. **Field Trip:** Weldon Wagon Trail. Joint meeting with Portland Chapter, which see for details. Contact Krista Thie, 509-493-2626, avery@gorge.net.

May 7, Wed. **Meeting:** 7:30 P.M. Mosier School. Dan Luoma will talk on mushrooms and other fungi.

North Coast

April 6, Sun. **Field Trip:** Neah-Kah-Nie Mountain. Joint trip with Portland Chapter. Meet 10 A.M. Seaside Visitor's Center parking lot. (See under Portland Chapter, for details.) Call Kathleen Sayce, 360-665-5292, or Christine Stanley, 503-436-0161, for more information.

April 19, Sat. **Field Trip:** Peninsula Park. Joint trip with Portland Chapter. Meet: 10 A.M., at the Tillamook PUD, 1115 Pacific. (See under Portland Chapter for details.) Leader: Jim Winslow, 503-294-0469, iris@europa.com.

Portland

April 5, Sat. **Field Trip:** Two part plant identification class. Session I. Leach Garden, Portland, 9 A.M. - 12 A.M. Do you want to know more about our native flora, but find yourself bewildered by the huge variety of plants and frustrated by plant keys? These classes, taught by Marty Stein, USFS botanist, and offered in cooperation with the Leach Garden, will include an introduction to the basic principles of plant taxonomy, definition of botanical terms, lessons in the use of plant keys, and practice in recognizing the main features of the most common plant families. Includes hands-on identification of the native plants at the Garden. Dress for the weather. Class limit 25. Fee: LGF or NPSO members \$25, non-members \$30. To register call Leach Garden, 761-9503.

April 6, Sun. **Field Trip:** Neah-Kah-Nie Mountain. Joint trip with the North Coast Chapter. This is a coastal mountain in Oswald West State Park, northern Tillamook County. Elev. approximately 1500 ft. A basalt dike runs the length of the ridge top, east to west, outcropping at the top edge of four south-facing meadows, or coastal balds. The wet, north-facing side of the mountain has many typical coastal forest species, including large Sitka spruce (*Picea sitchensis*), mosses, lichens, ferns and typical forest understory species, including *Oxalis oregana* and *Trillium ovatum*. Coastal balds contain many wildflower species, such as *Erythronium revolutum*, *Lomatium martindalei*, *Allium cernuum*. The trail begins about 600 ft. above sea level and climbs 900 ft. in under two mi. Steep in places, but doesn't cross rock faces or other exposed features. Driving: 150 mi. RT. Leave 8 A.M., from east end of Cedar Hills Shopping Center parking lot. (From Portland, take Hwy. 26 west to exit 69B, follow signs to Cedar Hills. Northbound on Hwy. 217, take exit to Hwy. 26E/Cedar Hills, follow signs to

Cedar Hills.) Second mtng. place: 10 A.M., Seaside Visitor's Center parking lot, Hwy. 101, across from City Hall. Contact Kathleen Sayce, (360) 665-5292, ksayce@aone.com, or Christine Stanley, (503) 436-0161.

- April 8, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 SW Jefferson St., Portland. Vernon Marttala will present a "Report from the Romanzofforum."
- April 12, Sat. **Field Trip:** Plant identification class. Session II, Leach Garden, Portland, 9 A.M. - 12 A.M. (See April 5, above, for details.)
- April 19, Sat. **Field Trip:** Peninsula Park. Joint trip with North Coast Chapter to Peninsula Park on Trask River in Tillamook, to see *Erythronium revolutum* and *Dodecatheon austrofrigidum*. Easy hike. Weather permitting we will visit other sites on the North Fork of the Trask River. Leave, 8:30 A.M., east end of Cedar Hills Shopping Center parking lot (see April 6 trip for directions). Second meeting place: 10 A.M., Tillamook PUD, 1115 Pacific. Driving: 150 mi. RT. Leader: Jim Winslow, (503) 294-0469, iris@euro-pa.com.
- April 20, Sun. **Field Trip:** Memaloose Loop. Hike about 5.5 mi. R.T., with 700 ft. elev. gain. This hike traverses pine-oak woodlands and open grasslands, and features matchless 360-degree viewpoints and lots of wildflowers. Leave: 8 A.M. from Gateway/99th Ave. Park & Ride, near southeast corner of the parking lot. Take exit 7 from I-84, turn immediately right onto 99th Ave. Second meeting place: 9:15 A.M., Memaloose Rest Area, near M.P. 72 on I-84. Contact Russ Jolley, (503) 286-2350.
- April 26, Sat. **Field Trip:** Camassia Preserve. Easy walk through Nature Conservancy preserve in time to see spring bloom, including potentially spectacular displays of blue camassia against a carpet of rosy plectritis and lime-green moss. We may find the relatively rare pale larkspur in bloom too. Meet: 10 A.M., West Linn H.S., 5464 West A St., West Linn, then car pool to the preserve. **Preregistration required.** Limit 20. Contact Charlene Holzwarth, (503) 284-3444.
- April 27, Sun. **Field Trip:** Weldon Wagon Trail. Joint trip with Mid-Columbia Chapter. 2-3 mi. hike, about 500 ft. elev. gain across steep side hill east of and above Indian Creek and the White Salmon River Valley. There are fields of balsamroot, Suksdorf's lomatium, Columbia lomatium, (and *L. macrocarpum*, *L. grayii*, *L. triternatum*, *L. piperi*, *L. dissectum*), and big-headed clover. We can see *Cypripedium fasciculatum* along the trail. The leader, Krista Thie, is particularly knowledgeable in medicinal plant lore. Driving: 170 mi. R.T. Leave: 9 A.M., Lewis & Clark State Park. Second meeting place: Leave, 10:45, Indian Creek Rd. turn-off. From north end of Hood River Bridge, it is about 10.2 mi. to turn-off in Husum. Go east from Hood River Bridge about 2 mi. on Hwy. 14, turn at blinking light in Bingen onto Hwy. 141, go through White Salmon on Hwy. 141, heading north toward Trout Lake. The turn-off for the Weldon Wagon Trail is between mileposts 8 and 9, just before the old gas station, now the White Water Rafting Outfitters. We'll meet just east of hwy, just as you turn onto Indian Creek Rd., just south of White Water Rafters. Contact Krista Thie, 509-493-2626, avery@gorge.net.

Siskiyou

- April 12, Sat. **Field Trip:** Limpy Creek Botanical Area. Easy, 1 mi. hike, led by Linda Mullens, USFS. Beautiful, serpentine, riparian area, very close to Grants Pass. Meet: 8:30 A.M., Grants Pass Fred Meyer parking lot, north side near "The Key Man." Second meeting place: 9 A.M., Limpy Creek Botanical Area parking lot. Car pooling at Fred Meyer is encouraged because this is a very small parking lot.
- April 17, Thurs. **Meeting:** Room 171, Science Building, Southern Oregon State College. The subject

of the program will be announced.

- April 19, Sat. **Field Trip:** Rough and Ready Botanical Area / French Flat. . Easy hike. Leaders: Jennifer Beigle, Siskiyou Project; Linda Mazzu, BLM; Anita Seda, USFS. Features: Rare plants such as Cook's lomatium (*Lomatium cookii*), Hall's violet (*Viola hallii*), Waldo rockcress (*Arabis acueolata*), Douglas' monkeyflower (*Mimulus douglasii*) and gentian (*Gentiana setigera*). Meet: 9 A.M., Interagency Visitor Center, Cave Junction.
- April 26, Sat. **Field Trip:** Lower Table Rock. Moderate hike. Leader: Barbara Mumblo, USFS. Features: Rare plants such as dwarf meadow foam (*Limnanthes floccosa* ssp. *pumila*) Meet: 10 A.M., Lower Table Rock parking lot.
- May 4, Sun. **Field Trip:** Illinois River Canyon Trail. Easy hike. Leaders: Steve Marston, Siskiyou Project, Don Heinze, BLM (retired). Features: Rare plants such as Kalmiopsis (*Kalmiopsis leachiana*) and cobra plant (*Darlingtonia californica*). Meet: 9 A.M., Selma Supermarket parking lot, left (north side).
- May 17, Sat. **Field Trip:** Return to Rough and Ready Botanical Area. Easy hike. This will be a completely different flora from April. The remains of the April rare plants may also be present. Leader: Don Heinze, BLM (retired). Meet: Interagency Visitor's Center, Cave Junction.

South Coast

- May 17 - 18
Sat. - Sun. **Wildflower Conference:** The Southern Oregon Coast / SW Oregon Wildflower Conference, in Charleston, Oregon, focuses on the diverse and unique flora of the southern Oregon coast and the Siskiyou Mountains. Saturday: Presentations on rare plants of the area, local wildflower hot spots, and impacts of exotic vegetation. Sunday: Field trip to unique coastal habitats south of Bandon. Admission for entire weekend is \$20. For more information, call Bruce Rittenhouse, 756-0100 (days), or 888-9328 (evenings).

Umpqua Valley

- April 10, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. Russ Holmes will update us on BLM activities.

Willamette Valley

- April 21, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Bruce McCune will present a program on lichens.

William Cusick

- April 5, Sat. **Field Trip:** The Nature Conservancy needs help planting native bunchgrass seed in containers. The grass plugs will be grown at the Plantworks Native Nursery, La Grande, and outplanted at the Lawrence Grassland Preserve in the fall. Bring gloves. Planting should be finished by 1 P.M. Meet at the Plantworks, 1805 U Ave., La Grande, 9 A.M. For information call Berta Youtie, 962-3903.
- April 16, Wed. **Meeting:** 7 - 9 P.M. Forestry and Range Sciences Laboratory, Gekeler Lane and C Ave., La Grande. Business from 7 - 8, program from 8 - 9. Karen Antell, Professor of Botany, Eastern Oregon State College, will present a slide program on the Ladd Marsh Project. Our chapter plans to develop a much-needed plant species list and a

collection for the marsh. This is an opportunity to learn about the project and to volunteer your assistance if you so desire. It will be an enjoyable way to learn lots of native plants and learn about the marsh. Come join the fun!

May 10 & 17,
Sats.

Classes: 8:30 A.M. - 12:30 P.M. Barbara Russell will teach a class through the Baker-Union ESD, titled "Beginning Botany and Native Plant Identification." It will focus on how to use a plant key to identify unknown plants you encounter in your travels. Slides will familiarize people with plant family characteristics. Plant parts used for identification will be taught. Then we will dive in and just do it. We will practice keying with fresh specimens. Call Barbara Russell, 963-6043, after April 2, for more information.

May 17, Sat.

Field Trip: Paula Brooks, Forest Botanist, Wallowa-Whitman National Forest, will lead a spring wildflower trip to the Sumpter/Phillips Lake area west of Baker City. Grass widows, bluebells and fawn lilies will probably be blooming. Meet: 9 A.M., behind Baker City Post Office. Bring lunch and a friend. Call Paula, 523-6110, to confirm.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it's not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

NPSO BOARD MEETING HIGHLIGHTS

The NPSO annual budget meeting began on Saturday, January 18 at Linfield College in McMinnville without the president or secretary due to the ice storms that had been plaguing the Columbia Gorge. Though the weather was clear throughout most of the state, several inches of ice still remained in Mike and Jerry Igo's driveway. It was so slick they "couldn't even walk out to their cars, much less drive out!"

Rather than delve right into the budget, the board first discussed committee reports. The membership committee's report showed that new member enrollment lags behind prior years by 20%. If this trend continues, it will have a negative impact on the budget, since membership dues are the largest single contributor to NPSO's income.

The Westside Conservation Committee Chair has been exceptionally productive in the past year submitting comments regarding "salvage" timber sales, the Coquille Land Transfer, permanent conservation of the Bull Run Watershed and Little Sandy River, and the Corvallis Riverfront Proposal. A future focus for this committee includes watching our new senators and representatives, particularly regarding the Endangered Species Act, wetlands issues, private property issues and grazing. The chair of this committee is seeking a replacement, so if these topics sound like something you would like to work on please let Kate Dwire or Mike Igo know.

NPSO has also been seeking a replacement for the EFO representative. Two members, Laura Tesler of the South Coast Chapter and Shane Latimer, president of the Portland Chapter, recently came forward to share the duties. Ms. Tesler will start by working with Ms. Muir on the annual EFO re-application while Mr. Latimer is interested in being an EFO board member. The NPSO board thanks and encourages both volunteers! During Maya Muir's two years as the EFO representative, NPSO's relationship with EFO has changed from chaos and dissatisfaction to a satisfactory working relationship. Even though fixing this situation wasn't the job Ms. Muir expected to do, the improvement is virtually all a result of her efforts. The board commends Maya Muir for a job excellently done!

The new chair of the Atlas Committee, Bruce Newhouse, reported that so far, almost 17,500

records from 131 lists have been entered in the Atlas Database, with about 1000 plant lists to go! To add to this incredible (and wonderful) backlog, federal agencies have now authorized release of their databases to the Flora Project. On a more somber note, the Oregon Flora Project is delayed because of lack of money, which will in turn delay publication of the checklist. Contributions from chapters and individuals are urgently needed. If anyone knows of likely sources of grants, please tell Keli Kuykendall, the Grants Coordinator. Due to the same budget and labor constraints, the Flora Newsletter will be published only three times a year instead of the current four.

From reports statewide, it seems that many of the NPSO chapters are staying busy, even in the doldrums of winter. The Corvallis Chapter, under the direction of the recently elected president, Danna Lytjen, has been compiling a plant list that will cover Linn, Lincoln and Benton counties. The Emerald Chapter is planning a spring field trip/survey of the lower drainage of the Amazon Creek channel for *Lomatium bradshawii*, for the city of Eugene. The Siskiyou Chapter is leading a letter-writing campaign against a proposed state prison site in the midst of vernal pools in the Agate Desert. Comments in opposition are desired. On the South Coast, Oregon State Parks is taking some action to achieve recovery plans for *Lilium occidentale* sites. The William Cusick Chapter has been holding programs about landscaping with natives and now the community wants more! In the Mid-Columbia region, members are planning the April 13th Columbia River Gorge Wildflower Show.

Finally, after lunch, it came time to adopt the annual budget. There were significant increases in budget and balance between 1995 and 1996. Looking ahead to 1997, the board is hopeful that the symposium proceedings will bring in additional income to cover increasing expenses such as publishing the Bulletin, and to support the increased needs of endeavors like the Oregon Flora Project.

Two Cost Share Grants were awarded. A \$500 grant was requested by Lucille Housley of the Lakeview BLM District to pay expenses of volunteers. Matching federal funds would be \$1000 in BLM vehicle use. Friends of Buford Park/Mt. Pisgah asked for a full \$1000 cost share grant to fund a proposal for a native plant restoration project in the park, one of the few sites with Bradshaw's *lo-matium*. The project includes restoration of up to ten acres of three locally endangered plant com-

munities, restoration of the nesting habitat of the Western pond turtle, inventory of the botanical resources in the 2000 acre park, and development of an interpretive trail. Other partners include Lane County Parks Division, Balance Restoration Nursery, ODFW, The Nature Conservancy, and BLM.

A budget item was approved to give \$200 to the First Conference on Siskiyou Ecology to use as scholarships and to keep registration fees low. Other sponsors are SOSOC Biology Department, and USNPS-Oregon Caves NM. (Look at their WWW site for more information.)

The agenda items passed quickly, and by early afternoon the 1997 NPSO budget had been approved as amended. And the board members were off to their respective corners of the state, hoping for safe driving conditions.

Heather Laub
NPSO Secretary

NPSO Needs Laptop

The donation of a laptop computer for the use of the secretary is highly desirable and the Society would be most grateful. Anyone wishing to donate such an item, should call Heather Laub at 541-354-6234, evenings or weekends.

Wetlands Restoration Meeting

The Society for Wetland Scientists (SWS) and the Society for Ecological Restoration (SER), Pacific Northwest chapters, will be holding a joint annual meeting on May 5 - 7 in Corvallis, Oregon. The theme is "Putting Down Roots: Wetland Restoration in the Landscape." SWS is organizing a technical program, including speakers and workshops which focus on wetlands and wetland restoration efforts throughout the Pacific Northwest. SER is sponsoring a special symposium about linking local scale restoration to landscape theory and process. This will be a great opportunity for interested parties to interact with SWS and SER members and learn more about restoration activities throughout the Pacific Northwest, particularly in wetland ecosystems. For more information about the conference, or to get a registration packet, Call Laura Herbon at 503-460-0057.

1997 NPSO Annual Meeting

The Willamette Valley Chapter invites you to the 1997 annual meeting which will be held June 6-7-8 at "Camp Cascade." The camp is located on the banks of the Little North Fork River in scenic Elkhorn Valley, forty miles east of Salem in the foothills of the Cascade Mountains. Meals and men's and women's dormitory lodging are available on-site. Scheduled events are: Friday evening, June 6: Registration, Evening Social and slide show, "Wildflowers of the Willamette Valley and Cascade Mountains." Saturday morning, June 7: Field trips leaving Camp Cascade at 9 A.M. Saturday evening: Social hour, 5:30 P.M. Banquet, 6:30 P.M. Sunday morning, June 8: State board meeting, 9 A.M. See the March Bulletin for meeting and field trip details.

Registration forms (two of them) for all annual meeting events are again enclosed with this issue of the Bulletin. A detailed map and directions to Camp Cascade will be included with your registration confirmation. **Your registration must be mailed by April 30.**

Shady Cove Wildflower Show

The Shady Cove Wildflower Show will take place on Saturday and Sunday, May 3rd and 4th, in the Shady Cove Elementary School. To reach it from Medford take Highway 62 north. For more information, or to help out at the show, call Margaret Meierhenry at 541-826-6649.

Save Mt. Hood Streams

Have fun and meet with others who share your values at a Columbia Group Sierra Club fundraiser for Friends of Mt. Hood. The Sierra Club is raising money to help support the Friends legal appeal to protect the unique creeks and wildflower meadows of Mt. Hood Meadows.

Beer, wine, hors d'oeuvres and music in a lovely old town setting, will be available at the Elizabeth Leach Gallery, 207 SW Pine, on Friday, April 25, from 6 to 9 P.M. Mark your calendar.

The NICORE Mine v. Rough & Ready Creek

The NICORE Project, a large nickel laterite mine proposed for the Rough and Ready Creek watershed in Oregon's Siskiyou Mountains, is gaining momentum as the Forest Service begins preparation of an Environmental Impact Statement. If this mine proceeds in any form it will destroy the integrity of this biologically rich reference watershed [1] and heavily impact a potential Wild and Scenic River, [2] the Rough and Ready Botanical Area, the Rough and Ready Area of Critical Environmental Concern, and the South Kalmiopsis Roadless Area.

The position of the mining claimant proposing the NICORE Project is that it is his right to mine the Rough and Ready watershed, and to additionally own much of it at the bargain basement price of \$2.50 per acre. (The Freeman/NICORE mineral patent application, for 4,380 acres, is the largest pending patent application in the United States.). What possible authority gives such privilege and preference to one individual and one use on National Forest lands belonging to the public.

The authority is one granted by default. The Siskiyou National Forest, the primary land managing agency in the Rough and Ready watershed, maintains that the right to mine, as granted by the 1872 Mining Law, cannot be denied. The agency further holds that it is their mission to encourage and facilitate mining on public lands, [3] but many feel this position is as out of date as the Mining Law itself. Essentially, there is no clear command that mining is the absolute dominant use of public lands, [4] despite the Forest Service's historic solicitude toward activities granted by the Mining Law and despite the environmental havoc and degradation of public lands and water.

Why should the Native Plant Society and its members be concerned with the application or misapplication of the Mining Law and the prevailing attitude and demands of public land miners? Because mining is an enormous and imminent threat to the Rough and Ready Creek watershed and its native plants, their habitats and the ecological relationships and processes which sustain them.

In the 1994 issue of Kalmiopsis ("Oregon Plants, Oregon Places"), the significance of the Rough and Ready Creek watershed and its botanical and

other values are examined. In order to preserve these values and the ecological integrity of this rare, mostly intact landscape, we must gain an understanding of the NICORE mining operation, the processes driving it and what it will take to stop both.

Rough and Ready Creek's watershed is part of the Josephine ophiolite. [5] Its headwaters flow from the venerable Klamath Penepain, [6] down through the dramatic red rock country of the Kalmiopsis Wilderness and the South Kalmiopsis Roadless Area to a broad alluvial valley and confluence with the West Fork of the Illinois River. The environmental conditions, geologic processes and mineralized soils [7] which have challenged extremes in species adaptation and evolution and created unique and diverse plant assemblages, have put Rough and Ready in the greatest jeopardy during its entire forty million year history. [8]

The NICORE Project claims that stainless steel can be produced from Rough and Ready's laterite soils. The original mining plan of operation was to mine a 5,000 ton bulk sample to test a proprietary experimental metallurgical process. In 1996, the Siskiyou National Forest prepared a Surface Use Determination -- a report to determine if the mining claimant's proposal had merit. It was the opinion of the Forest Service that the NICORE plan of operation was reasonable with certain conditions. One of the recommendations was that before the Forest Service accepted the NICORE plan of operation and began the Environmental Impact Statement that there was some assurance that a smelter facility would be available to process the ore and test the metallurgy.

The owner of NICORE countered with a new plan of operation, this time to go into "full production" and over time, mine out each ore body.[9] Because much of the information concerning the NICORE Project and the Freeman patent has been determined to be proprietary and not available to the public, little is known about the how, when and where of the smelting facility that will transform Rough and Ready's soils into stainless steel and about the extent of the area to be mined.

We do know that the NICORE plan calls for eleven stream crossings constructed by dumping rock in the mainstem of Rough and Ready at six separate locations and at five locations on its tributaries. Over fourteen miles of road will be constructed.[10] Additionally, current information is that the processed ore will be stockpiled on the Rough

cern.

In order to stop the NICORE mine and to protect the Rough and Ready Watershed there must be a massive and thoughtful outpouring of opposition to the NICORE mining plan of operation and an embracing of Rough and Ready Creek and its non-mineral values by the public. There must be support for legal challenges to the mining operation and for a legislative or administrative "no mining" remedy. The participation of the Native Plant Society of Oregon and its members is crucial to the preservation of this exceptional place.

At this time there are three actions that are vitally important: **I.** Write to your members of Congress and inform them of the proposed NICORE Mine and its threat to a unique and ancient landscape, the Rough and Ready Creek watershed. **II.** Participate fully in the National Environmental Policy Act process for the NICORE mine. The Illinois Valley Ranger District has developed a proposed action and must now request input from the public on issues and concerns for the NICORE plan of operation (March and April). The Draft Environmental Impact Statement is expected to be released in September. Write to the Illinois Valley District Ranger, 26568 Redwood Highway, Cave Junction, Oregon 97623, requesting to be put on the mailing list for the NICORE Project EIS. **III.** Help raise public awareness about Rough and Ready's significant ecological values, encourage scientific research in the area and conduct plant and other surveys in the watershed.

For more information on Rough and Ready Creek and the NICORE Mine and to be put on a mailing list for Action Alerts, please write the Siskiyou Project, P.O. Box 220, Cave Junction, Oregon 97523, or phone (541) 592-2265.

Notes

1. The Oregon Chapter of the American Fisheries Society lists the Rough and Ready Watershed as an Aquatic Diversity Area and as a "highly sensitive," "genetic refuge" and "reference watershed." 2. In a 1993 Wild and Scenic River eligibility study, most of the mainstem and all of the North Fork of Rough and Ready Creek were found to have one or more outstandingly remarkable values making them eligible for a Wild and Scenic River suitability study. The Forest Service's eligibility study erred in not finding the whole Rough and Ready stream system eligible, a precedent set by the National Wild and Scenic Smith River in California. The study found that the outstandingly re-

markable values of Rough and Ready's mainstem were: 1) Geological/Hydrological, 2) Botanical/Ecological, and 3) Wildlife, and Botanical/Ecological for the North Fork. The Forest Service erred in not naming water quality as an ORV. 3. FSM 2800.

4. Leshy, John D. *The Mining Law: A Study in Perpetual Motion*, Resources for the Future, 1987.

5. An area where ocean crust is emplaced against the continent is called an ophiolite. Ophiolites consist of layers of rock that represent fragments of formerly intact oceanic crust and mantle. The layers of an ophiolite consist, from base to top, of peridotite, gabbro, sheeted diabase dikes, pillow lavas, and pelagic sediments. (USDA Forest Service, 1996, *A Field Guide to Serpentine Plant Associations and Sensitive Plants in Northwestern California*, Pacific Southwest Region, R5-ECOL-TP-06).

6. The Josephine ophiolite has been influenced by additional geologic processes since its emplacement onto the continent. Increased erosion during a period of geologic inactivity in the Miocene, has resulted in a series of flat topped ridges in the area of the western Siskiyou Mountains, called the Klamath Peneplain (Ibid.).

7. The chemical weathering of serpentinized peridotite results in soils rich in magnesium, silica and iron and low in available calcium and potassium. Serpentine soils also typically have high pH values and high concentrations of the heavy metals, nickel, chromium, cobalt. (Ibid.).

8. Unaltered peridotite or slightly serpentinized peridotite can develop to laterite soils in areas with high rainfalls. These soils are associated with mining activity because of their high concentrations of nickel and chromium. (Ibid.).

9. The NICORE plan also implies ore reserves in the Woodcock Mountain and Free and Easy Pass areas of the Illinois Valley.

10. The NICORE Project plan of operation involves haul routes that go through the South Kalmiopsis Roadless Area, and the Rough and Ready Botanical Area and ACEC. Some bulldozer tracks exist. In places, these tracks have altered the natural drainage patterns. Heavy equipment and 25 ton ore trucks will make thousands of trips on their way to where the ore is to be stockpiled on the ACEC.

Barbara Ullian
Siskiyou Chapter

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Send completed form and full remittance to:
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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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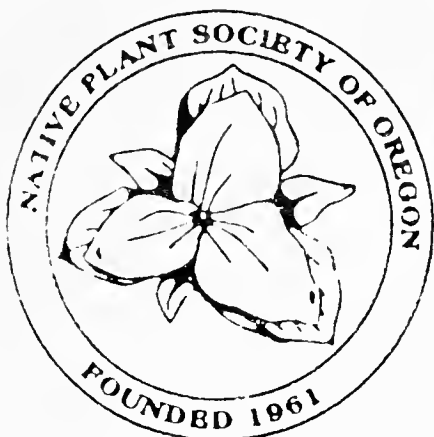
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NATIVE PLANT SOCIETY OF OREGON
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of Oregon's native vegetation

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Election of State Officers -- Ballot Inside

State News

June 6 - 8

Fri. - Sun.

Annual Meeting: Camp Cascade. Details and registration forms in last two issues of the Bulletin.

.June 8, Sun.

State Board Meeting: 9 A.M. at the annual meeting.

Chapter News

Blue Mountain

May 10, Sat.

Field Trip: To Squaw Creek Canyon, a tributary of the Umatilla River, east of Pendleton. Meet: NE corner of the Pendleton Safeway parking lot, 9 A.M. Leader: Jerry Baker, 541-566-2244.

Meeting: No meetings for the rest of the summer.

May 31, Sat.

Field Trip: To Squaw Creek Lookout/Poverty Flats/Cabbage Hill. This trip, announced in the April Bulletin, has been canceled.

June 1, Sun.

Field Trip: Frazier Meadows. Meet: NE corner of Pendleton Safeway parking lot, 8 A.M. Leader: Jerry Baker, 541-566-2244.

June 21, Sat.

Field Trip: Magone Lake, north of Mt. Vernon. Meet: NE corner of the Pendleton Safeway parking lot, 7 A.M., or at the lake swimming area, 10 A.M. Leaders: Katherine and Aaron Skirvin, 541-276-1948.

July 12, Sat.

Field Trip: Target Meadows, near Tollgate. Meet: NE corner of Pendleton Safeway parking lot, 8 A.M. Leader: Bruce Barnes, 541-276-5547.

Corvallis

- May 11, Sun. **Field Trip:** Mary's Peak, focussing on western slopes, rockeries, and xeric sites. Easy, roadside walk. Meet: OSU parking lot, across from campus Beanery, 9 A.M. (to 3 P.M.). Bring lunch. Leader: Loren Russell. For more information, call Carolyn, 752-7132.
- May 12, Mon. **Meeting:** 7:30 P.M. Room 2087, Cordley Hall, OSU campus. Loren Russell will show slides and talk about rare and endangered plants of the Corvallis Chapter area.
- May 31, Sat. **Field Trip:** The meadow flowers of MacDonald-Dunn Forest, in conjunction with Research Forests. Easy hike. Meet: 9 A.M., OSU parking lot, corner of 25th and Monroe Sts., across from campus Beanery. Bring lunch or snack. Leader: Ankie Camacho. If group seems too large, we may have to make other arrangements, so please RSVP Carolyn, 752-7132.

Emerald

- May 4, Sun. **Field Trip:** Wildflower walk at Armitage Park (I-5 and the McKenzie River), co-sponsored by Nearby Nature. 1 - 3 P.M. Meet: Nearby Nature Center; there is a \$3 park entrance fee. Call Charlene Simpson, 465-1059, for more information.
- May 10, Sat. **Field Trip:** Fawn Pk. or Table Mtn. Molly Widmer, BLM South Valley Resource Area botanist, will take us to a COOL ridgetop or peak in her resource area. Leave S. Eugene H.S. parking lot at 9:30 A.M. Call Molly Widmer, 746-7548, for information.
- May 18, Sun. **Wildflower Show:** Mt. Pisgah Spring Festival and Wildflower Show. Exit 30th Ave./LCC, just south of Eugene, and go east over I-5. Follow signs. 10 A.M. - 4 P.M. Hundreds of species of local wildflowers will be on display.
- May 18, Sun. **Field Trip:** West Eugene Wetlands Mitigation Site Tour. Meet: West Eugene BLM office (on the east side of Danebo St., just north of Hwy. 126), at 1 P.M. (to 5 P.M.), for a tour of local wetland mitigation sites. Led by BLM botanist, Kathy Pendergrass, 683-3889.
- May 19, Mon. **Meeting:** 7:30 P.M. Main campus, Lane Community College. Directions: From 30th St., turn south on Eldon-Schafer Dr., follow past Oak Hill School, park in South Parking lot of LCC. Walk down stairs to Science Building, room 109, which faces parking lot. Bart Johnson, an ecologist in the Landscape Architecture Dept., U. of O., will present "Ecosystem Management in the Little Applegate Watershed, Oregon." Located in SW Oregon, this was one of the first projects to consider ecosystem management principles, and it has included a lot of public input and interaction. **NOTE: THIS IS THE THIRD MONDAY OF THE MONTH, TO AVOID A HOLIDAY MEETING ON THE FOURTH MONDAY.** Call Kathy Pendergrass, 683-3889, for more information.
- May 24, Sat. **Field Trip:** Mt. Pisgah. A trip up the south face to the summit, hoping for some uncommon species. Folks, if you like SW Oregon chaparral, this is the closest thing to it in Lane County! Also see the buckbrush (and maybe a blue-grey gnatcatcher) and we'll hope to see the wayside aster (*Aster vialis*), a rare senecio (*Senecio macounii*), maybe balsamroot (*Balsamorhiza deltoidea*) and definitely some surprises. Leave S. Eugene H.S., 9 A.M., or SE entrance to Buford Park, 9:30 A.M. Leaders: John Koenig, 343-0707, Ethen Perkins, Bruce Newhouse.
- June 14, Sat. **Atlas Trip:** Siltcoos Estuary Exploration. We'll make a plant list (and speak a lot of Latin) at Lane County's only sizeable salt marsh. Several salt marsh species are documented north and south of here, so we'll target them on our visit. Rubber Boots.

Lunch. Binoculars. A second, surprise stop will make for a full day. Leave S. Eugene H.S. parking lot at 8:30 A.M. Bruce Newhouse, 343-2364.

- June 28, Sat. **Field Trip:** McGowan Meadow. Coburg Hills site, about 5 acres in size, at 2000 ft. elev. There is a mixture of Willamette Valley and higher elevation plants here. Leave, 10 A.M., S. Eugene H.S. parking lot. Dave Predeck, 345-5531.

High Desert

Meeting: No meeting in May.

- May 18, Sun. **Native Plant Show:** The Central Oregon Environmental Center, 16 NW Kansas, Bend, will be taken over on this day by Oregon's native species. Howie Braunstein and his students will gather common examples of native plants from a variety of central Oregon ecosystems and display and identify them. Stop by the Center between 11 A.M and 4 P.M. to see the display.
- May 20, Tues. **Atlas Field Trip:** This will be one of our surveys to look at previously poorly botanized areas to develop information for the Oregon Plant Atlas Project. We will take time to key-out and identify plants. All are welcome. Meet: Deschutes National Forest supervisor's parking lot, near Pilot Butte, 8:30 A.M. Call Stu Garrett, 389-6981, evenings, for details.
- May 31, Sat. **Field Trip:** Haystack Butte Research Natural Area. Easy 4 mi. hike to the summit of Haystack Butte, north of Redmond, to see this Research Natural Area and its spectacular native grasses. Great views. Call Stu Garrett, 389-6981, eves., for details.
- June 7, Sat. **Field Trip:** The Island. This is a remnant example of our native grasslands. Much of the local high desert probably looked like this before grazing, farming and urbanization took over. Unfortunately, even in this barely-grazed area, exotic weeds are a problem. NPSO will assist the BLM in removing medusahead from several, small, infested areas. Call Stu Garrett, 389-6981, evenings.
- June 17, Tues. **Atlas Field Trip:** Metolius Highlands. (See May 20 above, for details.) Meet at the Deschutes National Forest Supervisor's parking lot, near Pilot Butte, 8:30 A.M. Call Stu Garrett, 389-6981 evenings, for more information.
- June 28, Sat. **Field Trip:** Alder Springs Thistle Attack and Nature Hike. This is one of the most dramatic canyons in our area. Exotic thistles are starting to take over and we will cooperate with the BLM the Portland Chapter of NPSO to attack it. Combination work day and fun hike. Call Stu Garrett, 389-6981 evenings, for details.

Field Trip: Trips are also planned for Studhorse Butte, July 19-20; Strawberry Summit, Aug. 2; Broken Top Volcano, Sept. 13. Details in future issues.

Mid-Columbia

- May 7, Wed. **Meeting:** 7:30 P.M. Mosier School. Dan Luoma will talk about mushrooms and other fungi.
- May 17, 18
Sat., Sun. **Field Trip:** Join us for a weed pull and wildflower hike in Rowena Dell. Meet: 10 A.M., circle of Rowena Crest Overlook. Joint trip with Portland Chapter (which see, for details). For more information, call Barbara Robinson, 478-3293.
- May 31, Sat. **Meeting:** Evening. (Call Fred Paige, 541-352-7670, for time and place.) Clive

Gandley, an English expert, will talk on penstemon hybridization. Jointly sponsored by the Master Gardeners and the NPSO.

June 4, Wed. **Meeting:** 7:30 P.M. Mosier School. Joy Belsky will tell us about her research on the effects of pollution on the plants of Prudhoe Bay, Alaska.

North Coast

For information on North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

May 3, Sat. **Field Trip:** Beavercreek Canyon. Short hike of 1 - 3 mi. Beavercreek is a tributary of the Sandy River. A new trail was recently built into the canyon and involves a 300 ft. elev. loss and climb to complete the round trip. Participants will discover botanical, geological and animal diversity, characteristics of the Beavercreek Canyon Greenspace. Meet: 9 A.M., Troutdale Thriftway, corner of Stark St. and Troutdale Rd., about 0.5 mi. east of Mt. Hood Community College. For more information, contact Paul Rabe, 667-4101, prabe@hpux.mesd.k12.or.us.

May 4, Sun. **Field Trip:** Sunshine Creek Loop. Hike about 3 mi. R.T., with 800 ft. elev. gain. Hike for a mile along the creek, then return through Douglas fir forest, including some old growth. Leave: 8 A.M., from Gateway/99th Ave. Park & Ride, near SE corner of lot. Take exit 7 from I-84, turn immediately right onto 99th Ave. Second mtng.: 9 A.M. Beacon Rock State Park Rest Area, near M.P. 35 on Washington Hwy. 14. Cross the Columbia River on the I-205 bridge. Call Russ Jolley, 286-2350.

May 10, Sat. **Field Trip:** Songbird celebration and spring wildflowers along Salmon River. See spring wildflowers on morning walk through old growth forest, over rock outcrops and oak balds. The hike (limit of 12) will finish at midday, allowing time to visit the Songbird Celebration at Wildwood Park near Welches. Immediately following the Songbird Celebration, Sue Allen will host a late afternoon open house at her home in nearby Brentwood. Check in with Sue at the NPSO booth. This is a finger food, bring your own beverage potluck. All welcome. Car pool from Gateway/99th Ave. Park & Ride, near SE corner of the parking lot, with 8 A.M. departure. Second meeting place: 9 A.M., Zig Zag Ranger Station. Call: Marty Stein, 760-2531; Sue Allen, 622-3611.

May 13, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 SW Jefferson St., Portland. Miles McCoy will present a "Report on the Oregon Garden Project in Silverton.

May 17, Sat. **Field Trip:** Linear State Park. Explore a portion of this park in the Coast Range with Glenn Walthall, a retired biologist and botanist, now consultant to the Oregon State Parks Department. We will walk two segments of the trail, following the route of a former railroad right-of-way through various habitats; segment one goes from M.P. 9.8 to a massive slide at M.P. 12; after lunch we drive a short distance to pick up the trail from M.P. 8.4 to M.P. 9.4. The biology of these two segments is quite different. Excellent opportunity to see a wonderful hiking area with spring flora in bloom and many birds. Bring field guides, binoculars, lunch and water. Trail grades very gradual, but may be muddy in places. Leave: 9 A.M., from Dairy Queen on Hwy. 26, just opposite Pihl Rd. in the town of Manning. Call Glenn Walthall, 644-0745, for details.

May 17, 18
Sat., Sun. **Field Trip:** Rowena Dell weed pull and wildflower hike. This is a joint trip with Mid-Columbia Chapter. This is one of the loveliest spots in the oak woodland area of the Gorge. Three years ago the undeveloped part of this spectacular cliff-lined canyon became public land and we need help cleaning it up. Meet: 10 A.M., circle of Rowena Crest Overlook. Take I-84 to Mosier exit, then go 6.75 mi. on U.S. 30 to overlook.

Event jointly sponsored by NPSO, Central Cascades Alliance and Friends of the Gorge. Call Barbara Robinson, 541-478-3293, for details.

June 1, Sun. **Field Trip:** Columbia Hills Loop. Hike about 5 mi. R.T., with 1400 ft. elev. gain. We will visit the Columbia Hills Natural Area Preserve, traversing about a mile of the rocky ridge top. The sharp ridge crest and open terrain allow sweeping views for many miles in all directions. Some wildflowers, like *Erigeron linearis*, will be in their prime. Leave: 8 A.M., Gateway/99th Ave. Park & Ride, near SE corner of parking lot. Take exit 7 from I-84, turn right immediately onto 99th Ave. Second mtng.: 9:30 A.M., Rest Area, M.P. 74, Washington Hwy. 14. Cross the Columbia River on Hood River Bridge at exit 64 from I-84. Call Russ Jolley, 286-2350, for more information.

Siskiyou

May 4, Sun. **Field Trip:** Illinois River Canyon Trail. Easy hike. Leaders: Steve Marston, Siskiyou Project, Don Heinze, BLM (retired). Features: Rare plants, such as *Kalmiopsis* (*Kalmiopsis leachiana*) and cobra plant (*Darlingtonia californica*). Meet: 9 A.M., Selma Supermarket parking lot, left (north) side.

May 15, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon State College. Ken French of the Oregon Department of Agriculture will present a program on the noxious weeds of southwestern Oregon.

May 17, Sat. **Field Trip:** Return to Rough and Ready Botanical Area. Easy hike. This will be a completely different flora from April. The remains of the April rare plants may also be present. Leader: Don Heinze, BLM (retired). Meet: Interagency Visitor's Center, Cave Junction, 9 A.M.

May 30 - June 1
Fri. - Sun. **Conference:** Conference on Siskiyou Ecology in the Illinois Valley. There will also be preconference field trips and workshops on May 28 and 29 (see article in this issue for more information).

June 14, Sat. **Field Trip:** Sharon Fen. Moderate hike. Leader: Darren Borgias, The Nature Conservancy. Features: A superb example of a minerotropic fen (a floating/quaking mire), bladderpod (*Utricularia minor*), a floating, aquatic, carnivorous plant, other interesting aquatic and emergent plants.

Field Trips: Trips are also planned for June 21 and Aug. 2. Details later.

South Coast

May 17 - 18
Sat. - Sun. **Wildflower Conference:** The Southern Oregon Coast / SW Oregon Wildflower Conference in Charleston, Oregon, focuses on the diverse and unique flora of the southern Oregon coast and the Siskiyou Mountains. Saturday: Presentations on rare plants in the area, local wildflower hot spots, and impacts of exotic vegetation. Sunday: Field trip to unique coastal habitats south of Bandon. Admission for entire weekend is \$20. For information, call Bruce Rittenhouse, 756-0100 (w) or 888-9328 (h).

Umpqua Valley

Officers: New officers: Sandra Stiltner, president; Russ Holmes, vice president; Richard Sommer, secretary-treasurer.

May 8, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. Bring a favor-

ite plant, or “weed” or an experience.

- May 24, Sat. **Field Trip:** View endemics at Eight Dollar Mtn. in the Illinois Valley. Meet: BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, for 8 A.M. departure. Call Richard Sommer, 541-673-3709, for information.
- June 12, Thurs. **Meeting:** 7 P.M. Bring family and friends to Powell Point any time after 4 P.M. for fishing, swimming or botanizing Myrtle Island RNA. See how high water changed the channel and bar. Potluck at 6:30 P.M. with BBQ chicken and beverage furnished. For information, call Mildred Theile, 673-5397.
- June 14, Sat. **Field Trip:** Kentucky Fall and Roman Nose in Douglas County’s Smith River drainage, Leave: 8 A.M., BLM parking lot, 777 Garden Valley Blvd., Roseburg.

Willamette Valley

- May 10, Sat. **Field Trip:** The purpose is to develop a species list for the Oregon Flora Project. Moderate hike. Meet: 8:30 A.M., BLM parking lot, corner of Fabry Rd. and South Commercial. Leader: Claire Hibler, 375-5677.
- May 17, Sat. **Field Trip:** Saddle Mountain. Joint trip with the Audubon Society. Moderately difficult hike. Driving: 2 hrs. Meet: 8 A.M., People’s Church parking lot on North Lancaster Drive. Leader: Walt Yungen, 581-9511.
- May 19, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Bob Meinke will present a program, titled “Botanizing Alaska’s Arctic Coast.”
- May 24 - 26
Sat. - Sun. **Field Trip:** Southwestern Oregon. Join trip leader Wilbur Bluhm and members of the Rhododendron Society to visit a variety of diverse habitats in SW Oregon. For more information, call Wilbur Bluhm, 371-3453.
- May 31, Sat. **Field Trip:** Aumsville Wetlands. Help develop a species list for a parcel, with wetlands and manmade ponds, that Chemeketa Community College students will be developing a management plan for. Meet: 8:30 A.M., K-Mart parking lot on Mission St. Leader: Wynne Cudmore, Chemeketa CC Instructor.

William Cusick

- May 3, Sat. **Field Trip:** 9 A.M. - 1 P.M. Bob Ottersberg will be cleaning the Birnie Park native flower bed across the street from the Forest and Range Laboratory at Gekeler and C Ave. The grasses have taken over and we need help reclaiming the space for the natives planted there to commemorate the pioneers entering the Grande Ronde Valley. We will try to find replacements for some of the native flowers which have been pushed out by the grass. For information, call Bob at 963-6043.
- May 10, Sat. **Class:** 8:30 A.M. - 12:30 P.M. Barbara Russell will teach a class (on this and the following Saturday) through the Baker-Union ESD, “Beginning Botany and Native Plant Identification.” The class will focus on how to use a plant key and how to identify unknown plant you encounter in your travels. Slides will familiarize people with plant family characteristics, plant parts used for identification will be taught, and then we will dive in and just do it. We will practice keying with fresh specimens. For information, call Barbara Russell, 963-6043.
- May 14, Wed. **Meeting:** 5:30 P.M. We will have a potluck picnic at Morgan Lake to celebrate spring wildflowers. Meet at 5:30 P.M. at the Forest and Range Laboratory, Gekeler Lane and C Ave., if you would like to car pool. We will meet at the first picnic table

past the dam at Morgan Lake, about 6 P.M. NPSO will provide drinks.

- May 17, Sat. **Class:** 8:30 A.M. - 12:30 P.M. The second session of Barbara Russell's beginning botany class. (See May 10, above.)
- May 17, Sat. **Field Trip:** Paula Brooks, Forest Botanist, Wallowa-Whitman National Forest, will lead a spring wildflower trip to the Sumpter/Phillips Lake area west of Baker City. Grass widows, bluebells and fawn lilies will probably be blooming. Meet: 9 A.M., behind the Baker City Post Office. Bring lunch and a friend. Call Paula, 523-6110, to confirm.
- May 17, Sat. **Field Trip:** Karen Antell, a botany professor at Eastern Oregon University, will lead a trip to view flowers at Ladd Marsh. This is part of a project to complete a species list and plant collection for the marsh. Meet: 2 P.M., Ladd Marsh overlook on Foot-hills Rd., for the two hour trip. Call Karen Antell, 962-3610, for information.
- May 17 - 18
Sat. - Sun. **Field Trip:** The Nature Conservancy is sponsoring a campout to attack noxious weeds at the Boardman Research Natural Area. This native grassland is one of the most endangered ecosystems in Oregon. Wildflowers will be blooming galore and Washington ground squirrels, burrowing owls, long-billed curlews and several hawk species may be seen. Camping available beginning Friday evening at nearby Tullis Farm. Bring a potluck dish for the Saturday night barbecue, water, and breakfast and lunch for as long as you plan to stay. Meet on south side of I-84 at the Irrigon exit (#168) at 9:30 A.M. on Saturday. Call Berta Youtie, 962-3903, for more information.
- May 18, Sun. **Field Trip:** Andy Huber, professor of soils and crop science at Eastern Oregon State College will lead a trip to view wildflowers on Pumpkin Ridge. GROWISER (Grande Ronde Overlook Wildflower Institute Serving Ecological Restoration), a nonprofit organization, is working on wildflower seed production here. Meet: 9 A.M., Eastern Oregon University stadium parking lot. Stay for the morning, or bring lunch and stay all day. Call Andy Huber, 962-3612, for more information.
- May 22, Thurs. **Field Trip:** NPSO and the Master Gardeners of Union County will sponsor a noxious weed field trip, led by Gary Dade, Director of Vegetation Management for Union County. He will show how to identify the weeds at different growth stages, and will demonstrate eradication methods. There will be a brief slide show at 9 A.M. Buses will lead at 9:45 and return at 4 P.M. Meet: Ag Center, 10513 N. McAlister Rd., Island City, across from Bronson's. Call Ruth Betza, 437-9201, or Jennie Tucker, 534-2990, for more information.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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We Welcome New Members Joining From 2/9/97 to 3/29/97

At Large

Crystal Dollhausen
David and Esther McLaughlin

Blue Mountain

Anna C. Anderson
Delores L. Bjerke
Sean Currans
Tom Darnell and Carol Poppenga
Clark and Lyla Lampson
Sandy Ott

Corvallis

Susan Buhler
Craig W. Edminster
Lisa Grubisha

Emerald

Eric Muench
Jono Neiger
Anne Elizabeth Turner

Mid-Columbia

Daysha Eaton
Christine Pearson
Jamie Tolfree

Portland

Steve Caicco and Judy Brown
Tom Carlson
David Dalton
Mike Darnell
Denis M. Dooley
Jill Fuglister
Skip Haak
Hortus West Publications
Margie Powers
Stephanie Pringle
Greg Stone
Emily J. Teachout
Heather D. Zavoral

South Coast

Robin Hansen

Willamette Valley

Linette Studebaker

William Cusick

Lucy Terry

NPSO Items For Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455, \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

NPSO Membership Directory lists, names, addresses and phone numbers of members (April, 1997). Available from Jan Dobak, 2584 Savier St., Portland, OR 97210-2412. \$2 each.

Klamath Basin NPSO Chapter To Start

There is interest in forming a chapter of the Native Plant Society of Oregon in the Klamath Falls area. A number of field trips in the Klamath Basin are scheduled for this summer and will be announced in the June Bulletin.

If you are interested in becoming part of the Klamath Basin Chapter, please contact Susan Erwin at 885-8360 (home), or 783-4078 (work).

BLM Prepares Management Plan for Rough and Ready ACEC: Comments Needed

In 1994 the Bureau of Land Management designated 1,164 acres of Rough and Ready Creek and its surrounding flood plain as an Area of Critical Environmental Concern (ACEC). The BLM in a challenge cost share project with The Nature Conservancy is now developing a management plan for this unique, diverse and renowned botanical area. In light of the significant threats to the integrity of this special place, it is essential that BLM hears from Native Plant Society members and others that the ecological, botanical and scenic values of the Rough and Ready ACEC and its exceptional water quality must be protected and preserved.

Adding to the previously discussed threats (April, 1997 Bulletin) we have just learned that the ACEC is the potential smelter site for the NICORE mining project and that the ACEC itself could be strip mined in subsequent mining operations. This is in addition to the proposal to transport and stockpile ore, mined in the upper part of the watershed, on the ACEC. If you cannot meet BLM's May 5th timeline for submitting scoping comments for the Rough and Ready ACEC Management Plan Environmental Assessment, please write as soon afterward as possible (your comments will still be accepted). The miners, a very vocal and powerful force, are planning a write-in campaign in support of mining on the ACEC and the NICORE Project.

Some suggested points to make are:

The Rough and Ready ACEC should be managed to protect and preserve not only populations of sensitive plants and plant assemblages but the ecological features, processes and integrity which fostered them and supports their continuance. The ACEC should be withdrawn from mineral entry. Its ecological and botanical values and its exceptional water quality are of much greater value to the public than its marginal mineral value. Off road vehicle tracks should be closed to motorized use and restored. The water quality and fisheries values of the ACEC must be protected. The relatively undisturbed valley floor forests of the ACEC are an important remnant from the past and should be protected and preserved. The introduction of non-native species should be prevented.

Write to: Bureau of Land Management, Medford District, 3040 Biddle Road, Medford, Oregon 97504, Attention: Bob Korfhage, Area Manager.

CORRECTION: The telephone number of the Siskiyou Regional Education Project was given incorrectly in the April Bulletin. We apologize for the inconvenience. The correct number for further information on Rough and Ready Creek is (541) 592-4459, or write the Siskiyou Project at P.O. Box 220, Cave Junction, Oregon 97523. A preliminary map of the NICORE Mine Project on Rough and Ready Creek is available.

Barbara Ullian
Siskiyou Chapter

Siskiyou Conference Update

The Native Plant Society of Oregon is a cosponsor of the First Conference on Siskiyou Ecology which will take place from May 30 to June 1, 1997 in Kerby, Oregon. It will include presentations on a broad spectrum of topics, including past and current research on regional flora and fauna, the botanical significance of the area, unique geological features, and historical changes influencing the integrity of the Siskiyou Mountains region, as well as the Klamath Mountains region. The unique serpentine flora of the Siskiyous is beginning a spectacular blooming season and should be in full show during the conference.

Keynote speakers include: Dr. Art Kruckeberg, Natural History of Serpentine Vegetation in the Siskiyous; Dr. Frank Lang, History of Botanical Exploration in the Siskiyous; Dr. Donald Zobel, A Port Orford Cedar Update -- Biology, Risk and Controversy. There will be over 30 talks discussing the flora, birds, fungi, geology and insects of the region, including Dr. Rudolf Becking on darlingtonia bog communities, Dr. Linda Vorobik on the re-examination of *Arabis* species in the region, and Bruce Rittenhouse on rare plants of the Siskiyou coast.

There will be a number of conference and preconference field trips to areas of botanical interest, beginning on May 28, with an all day exploration of the diversity of the area with local botanists and the author of the Klamath Knot, David Rains Wallace. Friday morning there is a workshop on landscaping with native plants and native woody plant propagation at Althouse Nursery, led by the owners, Greg and Barbara Delbol.

The conference is being coordinated by the Siskiyou Regional Education Project and is co-sponsored by NPSO, Southern Oregon State College Biology Department, and the Oregon Caves National Monument.

For registration information and a more detailed schedule of speakers and events, contact: Conference on Siskiyou Ecology, c/o Siskiyou Project, P.O. Box 220, Cave Junction, Oregon 97523, attn: Jennifer Beigel or Erik Jules, 541-592-4459, or e-mail: ejules@biology.lsa.umich.edu. You can also visit our web site at www.siskiyou.org.

Jennifer Beigel
Siskiyou Chapter

Mt. Pisgah Announces Workshops

Mt. Pisgah Arboretum in Eugene has announced the following workshops. For information, and to register, call the Education Office, 747-1504.

Sat., May 3, 10 A.M. - Noon. "Natives and Aliens." \$2 donation requested.

11 A.M. - 3 P.M. "Family Workshop: Trees On Parade." \$2 per person, \$5 per family.

Sat., May 10, 10 A.M. - Noon. "Wetlands Wonders." All ages.

Sat. May 17, 10 A.M. - Noon. "Plant Names and Other Family Gossip." \$2 donation requested.

1 - 4 P.M. "Wildflower Photography." \$12 members, \$15 nonmembers. Register by May 12.

Sat. May 24, 11 A.M. - 2 P.M. "Papermaking with Native Plants." \$5 per person, \$12 per family. Register by May 19.

ONRC Field Trips

The Oregon Natural Resources Council is offering a canoe trip and/or a hike in the Klamath Basin Wildlife Refuge on Memorial Day weekend, May 24-26. And June 14-15 (with Monday the 16th optional) there will be a wildflower and bird exploration of the high desert. Reservations are required and there is a donation of \$15 for members and \$25 for nonmembers. Information: 541-885-4886. Reservations: Check to Wendell Wood (made out to ONRC-Fund), 943 Lakeshore Drive,, Klamath Falls, OR 97601-9107.

Has Anyone Seen This Plant?

NPSO member Dennis Phillips would like to know if anyone recognizes this leaf. He found it on a small (0.5 m) sapling at South Slough near Coos Bay.



NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____
 State _____ ZIP+4 _____
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Please make checks for dues and contributions payable to:
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CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund. \$ _____
 Leighton Ho Memorial Field Botany Award Fund. \$ _____
 Rare and Endangered Plant Fund. \$ _____

Membership is for the calendar year.
New memberships enrolled after September 1
include the following year.

Send completed form and full remittance to:

Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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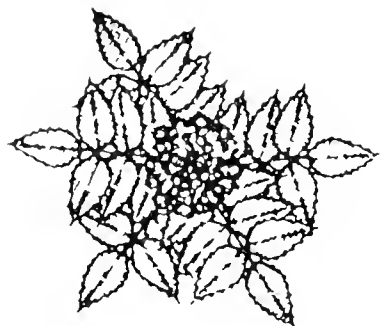
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NATIVE PLANT SOCIETY OF OREGON

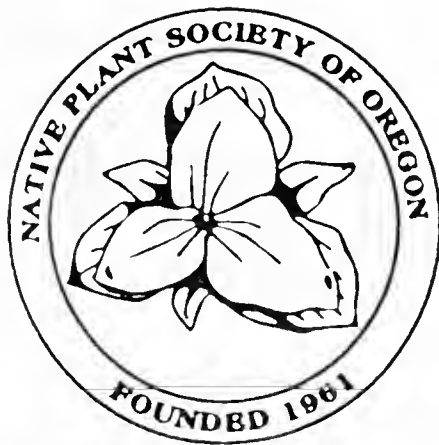
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General Business Address: P. O. Box 902, Eugene, OR 97440

or correspond directly with the Officers and Committee Chairs listed on the inside back page.

Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 6

JUNE 1997

ISSN 0884-599

State News

June 6 - 8

Fri. - Sun.

Annual Meeting: At Camp Cascade. See March or April Bulletin for details.

June 8, Sun..

State Board Meeting: 9 A.M., at the annual meeting

Chapter News

Blue Mountain

Meeting: No meetings for the rest of the summer.

June 1, Sun.

Field Trip: Frazier Meadows. Meet: NE corner of Pendleton Safeway parking lot, 8 A.M. Leader: Jerry Baker, 541-566-2244.

June 21, Sat.

Field Trip: Magone Lake, north of Mt. Vernon. Meet: NE corner of the Pendleton Safeway parking lot, 7 A.M., or at the lake swimming area, 10 A.M. Leaders: Katherine and Aaron Skirvin, 541-276-1948.

July 12, Sat.

Field Trip: Target Meadows, near Tollgate. Meet: NE corner of Pendleton Safeway parking lot, 8 A.M. Leader: Bruce Barnes, 541-276-5547.

Corvallis

Meeting: No meetings until October. **(Potential volunteers see page 68.)**

June 14, Sat.

Field Trip: To Jackson-Frazier wetland to look at *Deschampsia cespitosa* (tufted hairgrass) and other wetland species. Loverna Wilson will lead us through wet prairie habitat and tell us about the pre-settlement history of the area. Boots advisable. 9 A.M. to noon. Meet: OSU parking lot, 25th and Monroe, across from the Beanery. Bring a lunch or snack, if you would like to stay and chat with Loverna. An elevated footpath with observation decks is being built in the wetland, and we're planning a work party later in the season to help with construction. Detail will appear in the Bulletin. For more information, call Carolyn at 752-7132.

Emerald

Meeting: No meetings in the summer.

- June 14, Sat. **Atlas Trip:** Siltcoos Estuary Exploration. We'll make a plant list (and speak a lot of Latin) at Lane County's only sizeable salt marsh. Several salt marsh species are documented north and south of here, so we'll target them on our visit. Rubber boots, lunch, binoculars. A second, surprise stop will make for a full day. Leave S. Eugene H.S. parking lot at 8:30 A.M. Bruce Newhouse, 343-2364.
- June 28, Sat. **Field Trip:** McGowan Meadow, Coburg Hills site, about 5 acres in size, at 2000 ft. elev. There is a mixture of Willamette Valley and higher elevation plants here. Leave, 10 A.M., S. Eugene H.S. parking lot. Dave Predeek, 345-5531.

High Desert

Meeting: No meetings in the summer.

- June 7, Sat. **Field Trip:** The Island. This is a remnant example of our native grasslands. Much of the local high desert probably looked like this before grazing, farming and urbanization took over. Unfortunately, even in this barely-grazed area, exotic weeds are a problem. NPSO will assist the BLM in removing medusahead from several, small, infested areas. Call Stu Garrett, 389-6981, evenings.
- June 17, Tues. **Atlas Field Trip:** Metolius Highlands. This will be one of our surveys to look at areas that have been poorly botanized to develop information for the Oregon Plant Atlas Project. Meet at the Deschutes National Forest Supervisor's parking lot, near Pilot Butte, 8:30 A.M. Call Stu Garrett, 389-6981, evenings, for more information.
- June 28, Sat. **Field Trip:** Alder Springs Thistle Attack and Nature Hike. This is one of the most dramatic canyons in our area. Exotic thistles are starting to take over and we will cooperate with the BLM and the Portland Chapter of NPSO to attack it. Combination work day and fun hike. Call Stu Garrett, 389-6981, evenings, for details.
- July 19 - 20
Sat. - Sun. **Field Trip:** Studhorse Butte, Christmas Valley. We will join Lucile Housley, BLM botanist, for a survey of rare plants in this beautiful and isolated area of Christmas Valley. We will camp overnight and help Lucile survey. Call Lucile, 947-2016 evenings, or 947-6131 days, for details. We will meet her at the Christmas Valley Lodge on Saturday morning.
- Aug. 2, Sat. **Field Trip:** Strawberry Summit/Morning Hill Forest Farm. Easy 7 mi. R.T. hike, with 1200 ft. elev. gain, to the highest peak in the Strawberry Wilderness, at 9038 ft. See interesting alpenes and whitebark pine. Three grapeferns are found here. Participants can camp Fri. and Sat. nights at the trip leader's beautiful Morning Hill Forest Farm. Call Jennifer Barker, in Canyon City, at 541-542-2525, for details.
- Sept. 13, Sat. **Field Trip:** Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the high Cascades west of Bend. This is a 6 mi. R.T., moderate to strenuous hike with 1700 ft. elev. gain. Mostly off-trail hiking through the Three Sisters Wilderness, so number is limited to 12. A Cascades Classic! **Preregistration is required.** Call trip leader Stu Garrett, 389-6981 evenings, to sign up.

Mid-Columbia

June 4, Wed. **Meeting:** 7:30 P.M. Mosier School. Joy Belsky will tell us about her research on the effects of pollution on the plants of Prudhoe Bay, Alaska.

July 26 - 27
Sat. - Sun.

Wildflower Show: 10 A.M. - 4 P.M. both days. Skamania Lodge, Stevenson, Washington. Presented in conjunction with the National Commission for the Lewis and Clark Bicentennial. For more information, call Allen Bell, 509-493-4212.

North Coast

June 1, Sun. **Field Trip:** Saddle Mountain. Moderately difficult hike. Meet: 10 A.M., trailhead parking lot. Call Kathleen Sayce, 360-665-5292, for more information.

Portland

June 1, Sun. **Field Trip:** Columbia Hills Loop. Hike about 5 mi. R.T., with 1400 ft. elev. gain. We will visit the Columbia Hills Natural Area Preserve, traversing about a mile of the rocky ridge top. The sharp ridge crest and open terrain allow sweeping views in all directions. Some wildflowers, like *Erigeron linearis*, will be in their prime. Leave: 8 A.M., Gateway/99th Ave. Park & Ride, near SE corner of parking lot. Take exit 7 from I-84, turn right immediately onto 99th Ave. Second mtng. place: 9:30 A.M., Rest Area, M.P. 74, Washington Hwy. 14. Cross Columbia River on Hood River Bridge at exit 64 from I-84. Call Russ Jolley, 286-2350, for more information.

June 10, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 SW Jefferson St., Portland. Carol Horvath, a botanist with the Mt. Hood National Forest, will present a program on the plants of Chile.

June 14, Sat. **Field Trip:** Grand Island Floodplain Forest. This is the first in our 1997 series of ecosystem-focused trips jointly sponsored with the Portland Audubon Society. The mature floodplain forest of Grand Island, south of Dayton in SE Yamhill County, is one of the largest intact blocks of this heavily impacted habitat type in the Willamette Valley. It harbors a surprisingly diverse flora and fauna. See for yourself! Meet: 6:30 A.M., in front of the new Safeway in King City/Tigard (on 99W). Second mtng.: 7:15 A.M., Grand Island store south of Dayton (where you turn east to head down to the Island). Trip ends at noon, so lunch is optional. Leaders: Tom Love, 503-620-8385, tlove@linfield.edu, (PAS) and Kareen Sturgeon, 503-472-0866, ksturg@calvin.linfield.edu, (NPSO).

June 21, Sat. **Field Trip:** Brooks Meadow. Alpine wildflowers in a lush meadow with great views of Mt. Hood. Led by Forest Service botanist, Heather Laub. Less than a mile of walking. Leave: 9 A.M., Gateway/99th Ave. Park & Ride, near SE corner of parking lot. Take exit 7 from I-84, turn right immediately onto NE 99th Ave. Second mtng.: 11 A.M., junction of Hwy. 35 and F.S. Rd. 44. Contact Heather Laub, 503-352-6002, or Greg Stone, 503-652-1531.

June 28, Sat. **Field Trip:** Trapper Springs Meadow. Explore meadow, wetland and surrounding forest habitat in the Clackamas River Ranger District, south of Timothy Lake, with USFS botanist Carol Horvath. There is no designated trail. This is a "meadow meander." Species of interest include, *Drosera rotundifolia*, *Gentiana sceptrum* and *Gratiola* species. Area is wet and brushy so tall boots and protective clothing are recommended. Driving: 150 mi. RT. Leave: 8 A.M., ODOT lot, 60th and NE Glisan, in Portland. Contact Carol Horvath, 503-775-2650.

June 28, Sat. **Field Trip:** Alder Springs Thistle Attack and Nature Hike. Joint trip with the High Desert Chapter, which see for details. Call Russ Jolley, 286-2350, for information.

Siskiyou

Officers: Newly-elected officers are: Jennifer Beigel, president; John Roth, vice president; John McClendon, secretary/treasurer; Don Heinze, field trip chair; Darlene Southworth, conservation chair.

June 14, Sat. **Field Trip:** Sharon Fen. Moderate hike. Leader: Darren Borgias, The Nature Conservancy. Features: A superb example of a minerotropic fen (A floating/quaking mire), bladderpod (*Utricularia minor*), a floating, aquatic, carnivorous plant, other interesting aquatic and emergent plants.

Meeting: No meetings in the summer.

June 21, Sat. **Field Trip:** Babyfoot Lake. Leaders: Anita Seda, U.S.F.S., and Linda Mazzu, BLM. Features: unusual plants, such as weeping spruce (*Picea breweriana*). Meet: 9 A.M., Selma Supermarket, left (north) side.

Aug. 2, Sat. **Field Trip:** Oregon coast from Brookings to Charleston. Leader: Bruce Rittenhouse, BLM. Features: Rare plants, such as *Lilium occidentale* , other coastal vegetation. Meeting place to be announced. This trip may be extended to two days, if the participants want to. Call Don Heinze, 541-955-7247, for field trip information.

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

June 12, Thurs. **Meeting:** 7 P.M. Bring family and friends to Powell Point any time after 4 P.M., for fishing, swimming or botanizing Myrtle Island RNA. See how high water changed the channel and bar. Potluck at 6:30 P.M., with BBQ chicken and beverage furnished. For information, call Mildred Theile, 673-5397.

June 14, Sat. **Field Trip:** Kentucky Fall and Roman Nose in Douglas County's Smith River drainage. Leave: 8 A.M., BLM parking lot, 777 Garden Valley Blvd., Roseburg.

July 10, Thurs. **Meeting:** 6 P.M. Potluck at Hillcrest Vineyard. View *Quercus chrysolepsis* and *Quercus suber* in ag setting. Discuss the Oregon Flora Project. Bring an unknown plant for identification. Call 673-3709 for information.

July 12, Sat. **Field Trip:** Go to Illahe Lookout and Wild Rose Trail to view plant regeneration and composition after last fall's Spring Creek fire. Meet: BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, for 8 A.M. departure.

Aug. 2, Sat. **Field Trip:** Explore Crater Lake's rim drive pumice fields for subalpines. Long legs can hikes the Mt. Scott trail. Leave: 7 A.M., BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, or rendezvous, 9 A.M., Diamond Lake Lodge. For information, call Richard Sommer, 541-673-3709.

Willamette Valley

Meeting: No meetings in the summer.

- June 29, Sun. **Field Trip:** Niagara Falls Scenic Trail. Moderately difficult trail (3 mi. R.T.) through a midseral Douglas fir forest with an understory of moss-laden vine maple thickets. Meet: 9:30 A.M., Safeway parking lot in Dallas. Leader: Larry Scofield, 503-787-3833.
- July 5, Sat. **Field Trip:** Snow Peak and associated wetlands. Moderately difficult 1 mi. hike up to the old lookout site. The objective is to develop a species list for the Oregon Flora Project. Meet: BLM parking lot, corner of Fabry Rd. and South Commercial. Travel distance about 80 mi. Leader: Terry Fennell, 503-375-5678.
- July 12, Sat. **Field Trip:** Iron Mountain. Joint trip with Audubon Society. Moderately difficult hike. Meet: 7:30 A.M., K-Mart parking lot on Mission St. Bring water and lunch, which will be at the lookout. Leader: Walt Yungen, 503-581-9511.
- Aug. 16, Sat. **Field Trip:** Wash Creek Divide. This trip along Cascade Mountain ridges features the rare *Aster gormanii*, other late season flowers, huckleberries and great views. Meet: 8 A.M., BLM parking lot, corner of Fabry Rd. and South Commercial. Driving time about 2 hrs. Leader: Claire Hibler, 503-375-5677.

William Cusick

Meeting: No meetings in the summer.

- June 7 - 8
Sat. - Sun. **Field Trip:** Meet at Jerry's Market in Joseph, Oregon for a weekend at The Nature Conservancy's Clear Lake Ridge Preserve. Situated in a spectacular location between the Wallowa Mountains and the Seven Devils, it is perfect for viewing wildflowers and birds. Hike downhill on Saturday for 6 miles along a riparian area that is perfect for birding. Help pull aggressive knapweed and Scotch thistle along the way. Sunday will be a tour of the ridge, with birding at Downey Lake. Drive a 4-wheel vehicle if you have one. Bring camping gear, food, water, gloves and your favorite weed digger. Meet: Jerry's Market, 9 A.M., Sat., to car pool. For information, call Berta Youtie, 962-3903.
- June 22, Sun. **Field Trip:** Weeds are displacing the rare pink thelypody at The Nature Conservancy's North Powder Preserve. Meet: 9 A.M., North Powder Cafe, south side of I-84, North Powder exit. Bring gloves, lunch, water and weed removal tools. For more information, Call Berta Youtie, 962-3903.
- June 28 - 29
Sat. - Sun. **Field Trip:** Dunstan Preserve on the Middle Fork John Day River. Carpentry skills needed. The Nature Conservancy needs help removing old fences, dismantling buildings and repairing historic structures. Barbecue Saturday evening. Bring camping equipment, food, water and musical instruments. Meet at the preserve on Saturday morning. For more information, call Berta Youtie, 962-3903.

We may conduct other field trips in June. Watch your local paper for announcements.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it's not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

Rough and Ready Creek Named One of North America's Most Threatened Rivers

American Rivers, a national organization dedicated to the conservation of North America's rivers, named Rough and Ready Creek to its 1997 list of North America's Most Threatened Rivers. Rough and Ready Creek joined 30 other rivers on the list because of the combined threats of the NICORE Mine Project and the 4360 acre Freeman mineral patent application. According to a 1995 Bureau of Mines report this is the largest pending takeover of public land by a private company in the United States.

Kalmiopsis News

Call for Papers

Manuscripts are being requested now for Kalmiopsis, Journal of the Native Plant Society of Oregon. The editors will be glad to read manuscripts on taxonomic subjects, plant ecology, plant management, botanical history of Oregon, book reviews, letters to the editors, and other subjects of interest to our readers. For average length and format, please see recent issues of the journal. There is currently no specific deadline for articles for the 1997 issue, however, manuscripts or late drafts should be in the hands of the editors this summer for consideration.

Please address your manuscripts and or questions to: Editors, Kalmiopsis, c/o Rhoda Love, Assistant Editor, 393 FulVue Drive, Eugene, Oregon 97405; (541) 345-6241; e-mail: rglove@oregon.uoregon.edu.

Editor Needed

Kalmiopsis readers may know that the present editor, David Kennedy, has resigned to pursue other interests, after completing our beautiful 1996 issue, with its handsome, full-color cover. The Native Plant Society of Oregon's Board of Directors is now conducting a search for a new editor. If any Bulletin reader wishes to be a candidate for the editorship of Kalmiopsis, or wishes to recommend a person for the editorship, please contact the NPSO President, Michael Igo, at P.O. Box 603, Mosier, Oregon 97040.

Leaf Identified

Last month we published a photocopy of a leaf and asked if anyone could identify it. Indeed they could; responses came in from Oregon (several), Washington and Texas. All agreed on the identification. A letter from Art Kruckeberg, University of Washington, will serve as an example. He writes, in part: "I'd bet two-bits that it is the cut-leaved form of *Alnus rubra*. It is given a varietal name in the Hitchcock flora, as var. *pinnatisecta*. Its type locality, coll. by Starker, 'ca. 10 mi. n.w. of Portland, Ore.' If I'm right, then, this is a sporadically occurring mutant form of common red alder. It has also been found in Washington: Olympic Peninsula and in the Black Hills-Capitol Forest area s.w. of Olympia WA. ... I have grown it in my garden; it is a handsome tree and retains its cut-leaved nature faithfully."

The Jackson-Frazier Wetland

On behalf of the Jackson-Frazier Wetland Advisory Committee and the Benton County Parks Department, I want to thank NPSO for its very generous \$500 grant toward the construction of the Jackson-Frazier boardwalk. But I also want to introduce NPSO members to this wonderful resource, recount NPSO's efforts in protecting the wetland, and offer opportunities to volunteer in building the boardwalk this summer.

The Wetland

Situated at the northern edge of Corvallis, where Jackson and Frazier Creeks join, the 147 acre wetland spreads over the Willamette Valley floor. The creeks draining from the surrounding hills deposited fine silts and clays forming Bashaw clay that dominates much of the wetland. In summer, soils shrink and crack; in winter, they swell, impeding drainage. Ponding is common in winter and spring. By midsummer, the wetland is bone dry.

Jackson-Frazier support several vegetation types: palustrine emergent wetland (wet prairie), shrub-scrub wetland, forested wetland, and emergent marsh (cattails). The area is floristically rich in native plants with over 250 species of flowering plants, including federally listed Bradshaw's lomatium (*Lomatium bradshawii*) and Nelson's checkermallow (*Sidalcea nelsoniana*). A plant list, put together by Ken Chambers and Dick Halse in 1980, is being updated by Dick and includes such rarities as the Western wahoo (*Euonymus occidentalis*), Howell's montia (*Montia howellii*), Kincaid's lupine (*Lupinus sulphureus* var. *kincaidii*).

Early 19th century travelers and land surveyors in 1853 described the wetland as prairie with scattered ash along creeks. Indian fires and subsequent livestock grazing checked the spread of shrubs and trees. Since the early nineteen sixties, in the absence of these disturbances, rose, hawthorn and ash have rapidly invaded the prairie.

Providing a diverse, wet, green island in the developing urban Willamette Valley landscape, Jackson-Frazier gives refuge to more than 70 bird species, including mallard, red-tailed hawk, Virginia rail, sora, black-capped chickadee, and marsh wren. Common mammals include deer, beaver and nutria.

Protecting the Wetland

Preservation of Jackson-Frazier is one of the more dramatic conservation battles in western Oregon. In the late nineteen seventies, as the result of the establishment of statewide land use planning, counties were required to develop land use plans. At the same time, the special value of the wetland was identified by several NPSO members who sought its protection through the state's land use laws. The tract was privately owned but its zoning was in question. A developer was intent on housing! The county and the Land Conservation and Development Commission, hoping to avoid conflict with the developer and the conservation community, favored farm use, assuming no farmer in his right mind would want to farm the area. NPSO, Portland Audubon Society and other public-minded citizens opted for outright protection required by Oregon's land use law. The dispute went to court where the conservation community won a favorable decision.

Not the end! Angered by the turn of events, the irate developer (now owner) attempted to destroy the *Deschampsia* prairie known to support Bradshaw's lomatium by scraping 20 acres with a bulldozer-mounted blade. Ironically, as documented by Jimmy Kagan's monitoring, the lomatium thrived with the disturbance. After the damage, the Division of State Lands and the Army Corps required the developer to restore some of the prairie by filling ditches. Shortly afterward, the developer, not having paid his taxes, left the community. Benton County subsequently acquired the wetland by foreclosure in 1990.

In 1992, the county established the Jackson-Frazier Wetland as a park unit to protect its natural features and promote educational use, research and public use. Much of the 147 acre wetland is now administered by County Parks with the assistance of the Jackson-Frazier Wetland Advisory Committee.

The Boardwalk

Heavy wet-season use in 1994 was causing damage to this fragile wetland forcing its closing. Winter and spring use is now temporarily regulated. Because the real excitement and beauty of Jackson-Frazier is when it is the wettest, Benton County Parks planned and designed a wooden boardwalk to protect the wetland yet allow year-round access, including access for disabled folk.

Two EPA Region 10 grants in 1996 and 1997

funded materials for about two-thirds of the boardwalk. Community volunteers, youths from the Community Services Consortium and the Oregon National Guard all are all pitching in to build the boardwalk. Last summer, 900 of the 3500 feet were completed. This summer, 1200 feet are planned for construction. Besides the walkway, there will be several observation areas and interpretive displays. But the entire project depends on you.

Volunteers are welcome. A NPSO work trip is being scheduled for late summer. If you want to volunteer at any time, or contribute money toward the boardwalk project, please call Bob Frenkel at 541-754-6790. Please visit the wetland (turn east off 99W on Conifer Blvd., north of Corvallis, and go one half mile north on Lancaster St. to the cul-de-sac.)

Bob Frenkel, Chair
Wetland Advisory Committee

The illustration below is the Jackson-Frazier logo.



Formal Notice Issued on Rough and Ready NICORE Mine

The Siskiyou National Forest in southwest Oregon has issued formal notice that they will prepare an environmental impact statement (EIS) for the proposed NICORE Mine in the Rough and Ready Creek Watershed. The Forest Service is requesting that the public submit issues and concerns they would like addressed in the NICORE EIS by May 31, 1997. If you're not able to meet this date, please submit your issues and concerns as soon afterward as possible (see April, 1997 NPSO Bulletin for background information).

This period, prior to the release of the draft EIS in September, is known as "scoping" and is the first part of the important public participation process mandated by the National Environmental Policy Act (NEPA) for all major federal actions that will "significantly affect the environment." NPSO members are urged to participate fully throughout the NEPA process.

The Siskiyou National Forest's April 21, 1997 notice on the NICORE Mine Project fails to disclose important facts about the Rough and Ready Creek Watershed and its nationally significant ecological values. The notice further attempts to minimize the potential impacts of the NICORE Mine Project. The notice states that "existing low standard Forest Service roads" would be used; that the "haul road would cross Rough and Ready four times;" and that the "total area of disturbance during extraction is approximately 35 acres."

It is left to the public to be advocates for this very special watershed and to disclose the true extent of the threats facing it from the NICORE Mine and its associated mineral patents. Following are issues that must be addressed in the NICORE EIS:

All four of the initially proposed mine sites and miles of haul road are in the South Kalmiopsis Roadless Area.

The proposed NICORE haul roads go through the Rough and Ready Botanical Area (Forest Service), and parts of the Rough and Ready Area of Critical Environmental Concern (BLM) where the ore would be stockpiled and possible smelter construction is contemplated. The haul route is in the corridor of Rough and Ready Creek, a potential

National Wild and Scenic River.

The proposed haul roads cross Rough and Ready Creek 7 times (not four times as the Forest Service states) and its tributaries 4 times. To put this in perspective, imagine several 25 ton ore trucks, fuel trucks and the heavy equipment needed for road work and mining crossing the Creek up to 40 times per day (15 to 20 "round trips") in 11 potential stream crossings (all of the stream crossings would not be used each day). If you want to do the math on that and make a modest estimate of five out of 11 stream crossings used per day and times 90 work days in the four month work period, there is a conservative potential of 18,000 stream crossings per year. These stream crossings, constructed by dumping tons of rock in Rough and Ready Creek would have to be reconstructed each year.

The Forest Service's term "existing road" is open to interpretation. Most of the haul route is a combination of faint traces, tracks bulldozed by the mining claimant and power line rights of way. Much of the haul route is not travelable with normal clearance vehicles and parts of it with any vehicle.

The Freeman mineral patent application, associated with the NICORE Mine, states that the 4,360 acres of mining claims in the Rough and Ready Watershed contain a valuable mineral that can be mined profitably. If the claimant only plans to extract ore from 35 acres as implied by the Forest Service's notice, then the rest of the mining claims are unnecessary to the operation. The claims and the patents on the other claims should be relinquished and the Forest Service should recommend that the watershed be withdrawn from mineral entry in order to protect its nationally important botanical and Wild and Scenic River values and Rough and Ready Creek's outstanding water quality.

With the introduction of Port Orford cedar root disease into the adjacent Kalmiopsis Wilderness, the disease free South Kalmiopsis Roadless Area is one of the best hopes of preserving an uninfected Port Orford cedar refuge in the Siskiyou National Forest. The cedar in Rough and Ready Creek is often associated with rare plants and wetlands in the upper watershed with rare plant associations. The virulent, non-native Port Orford cedar root disease is spread primarily by vehicles and heavy equipment.

Submit your scoping letter to Mary Zuschlag, Dis-

trict Ranger, Illinois Valley Ranger District,
26568 Redwood Highway, Cave Junction, Oregon
97523.

It also helps to send a copy of this correspondence
to your Congressional representative with a brief
handwritten note.

**HELP PROTECT THE KALMIOPSIS
WILDERNESS FROM MOTORIZED
TOURISM: COMMENTS NEEDED BY
JULY 7TH, 1997**

The draft environmental impact statement for the
Alleman Special Use Permit (NPSO Bulletin,
March, 1997) is available for public comment. It
is now titled "Motorized Vehicular Access to Pri-
vate Property Within the Kalmiopsis Wilderness."
The Siskiyou National Forest's preferred alterna-
tive is to allow two round trips per week with mo-
torized vehicles and mechanical maintenance of
an old mining road, through miles of Wilderness,
to reach a proposed resort on the Little Chetco
River. This preference of alternatives is not sur-
prising for an agency that has historically either
failed to follow their own regulations regarding
motorized use of the Kalmiopsis or allowed indi-
viduals to violate the regulations and the Wilder-
ness with impunity.

The road in contention is actually trails #1124 and
1129, from Onion Camp to the Little Chetco
River. The applicant wants to drive tourists and
logging trucks through the Wilderness on it. The
road was constructed, without authorization, in
1952 in what was then the Kalmiopsis Wild Area
and it has been maintained, without authorization,
by heavy equipment even after Congressional
Wilderness designation.

In 1990, Jimmy Kagan documented that blading
of this road killed over 200 *Lupinus tracyi*, a Re-
gion 6 sensitive species. In 1994, it was docu-
mented that the Port Orford cedar root disease had
been introduced into the Wilderness in the area of
the Little Chetco mining claims. Now the Forest
Service, the agency entrusted with protecting the
ecological and other Wilderness values of the Kal-
miopsis, is saying that motorized use is historic
and customary and is rewarding the special use
permit applicant with more motorized access than
has ever been granted before.

Comments on the DEIS must be postmarked by
July 7, 1997. NPSO members are urged to write

either a brief letter in support of the No Action
Alternative or a more detailed analysis of the
DEIS. The No Action Alternative would still pro-
vide access to the patented Little Chetco mining
claims. The applicant would just have to use the
same methods of travel as other citizens (hiking,
horse packing, etc.).

The Forest Service has tried to create a red herring
in their environmental analysis of the No Action
Alternative. The DEIS states that this Wilderness-
friendly alternative to the proposed action has the
highest risk of spreading the non-native Port Or-
ford cedar root disease into the uninfected parts of
the Wilderness because no mechanical mainte-
nance and upgrade of the road would be allowed.

The excuse for this convoluted reasoning is that
another mining claimant also has motorized use of
the road, thereby creating the "highest" risk even
if the special use permit were to be denied. The
maintenance is supposed to lessen the risk of dis-
ease introduction and spread. So rather than di-
rectly addressing the risk to Port Orford cedar and
its habitat by eliminating all motorized access to
the Wilderness (the most effective disease control
measure), the DEIS extols the virtue of culverts,
french drains and road maintenance with heavy
equipment as mitigation to the proposed motor-
ized tourism in the Kalmiopsis.

Send your comments to, or request the DEIS
from: Mary Zuschlag, District Ranger, Illinois
Valley Ranger District, 26568 Redwood High-
way, Cave Junction, Oregon 97523.

For a more detailed alert on the DEIS for Motor-
ized Use of the Kalmiopsis Wilderness, write to
the Siskiyou Project, P.O. Box 220, Cave Junc-
tion, Oregon 97523, or phone 541-592-4459.

Barbara Ullian
Siskiyou Chapter

VOLUNTEERS WANTED

Anyone interested in working in the native garden
in Avery Park in Corvallis? We meet at Avery
House either Tuesday or Wednesday, 6:30 to 8
P.M., every week. Last year we created woodland
beds, still needing work, and this year we'll pre-
pare and plant a bed for dry prairie grasses. Weed-
ing always needed. We also need people to help in
a plant booth for next year's Spring Flower Festi-
val. Call Carolyn Ver Linden, 541-752-7132

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Address_____

City_____

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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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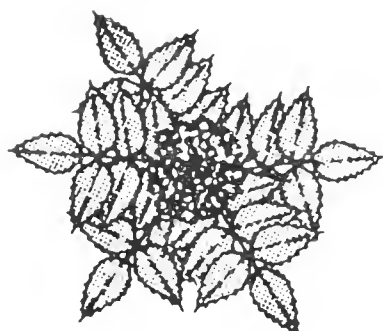
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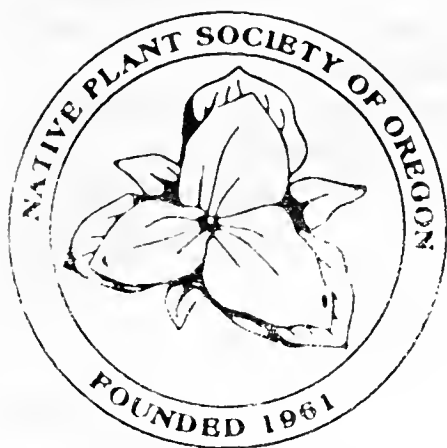
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NEW YORK
BOTANICAL GARDEN

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NATIVE PLANT SOCIETY OF OREGON
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Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

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State News

Officers: Newly elected state officers are: Mike Fahey, president; Mike McKeag, vice president; Heather Laub, secretary; Jean France, treasurer; Bruce Barnes, Bruce Newhouse and Kareen Sturgeon, directors.

State Board Meeting: 10 A.M. In Bend, on a Saturday in September. Place and date to be determined.

Chapter News

Blue Mountain

Meeting: No meetings for the rest of the summer.

July 12. Sat.

Field Trip: Target Meadows, near Tollgate. Meet: NE corner of Pendleton Safeway parking lot, 8 A.M. Leader: Bruce Barnes, 541-276-5547.

Corvallis

Meeting: No meetings until October.

July 5, Sat.

Field Trip: Iron Mountain. Meet: 7:30 A.M., parking lot diagonally across from the Monroe St. Beanery (26th and Monroe). All day trip. Bring lunch, snacks, water. From Corvallis we drive to Tombstone Pass parking lot (on Highway 20) to reconvene and meet with any others who will join us. The Cone Peak/Iron Mt. loop is of moderate difficulty, 4-5 mi. in length. Sun glasses and lotion may be useful (we hope). Forest and meadow wildflowers with spectacular views of the Cascades are main attractions. "Wildflowers of the Central Cascades" by Ross Chambers is recommended. Call trip leader, Dan Luoma, 752-8860, for more information.

July 19, Sat.

Field Trip: Tour local Corvallis parks. Find out what's right under our noses! Chip Ross Park, Bald Hill, Willamette Park, and possibly Jackson-Frazier. Led by Dick Brainerd, participants will be polled for their preferences and we'll go where you want to. Meet: OSU parking lot, west of the Beanery, 26th and Monroe, 9 A.M. (to 1

P.M.). Bring lunch and water if you wish to. Call Carolyn, 752-7231, for information.

Aug. 2, Sat. **Work Party:** Help build the boardwalk at Jackson-Frazier Wetlands. Spend a constructive morning helping to level soil, shovel gravel, move boards, and assemble boardwalk. It's a great project! Tools and water provided, but bring work gloves (and food if desired). 9 A.M. - 1 P.M. Meet: OSU parking lot, west of the Beanery, 26th and Monroe. For more information, call Bob Frenkel, 754-6790.

Emerald

Meeting: No meetings in the summer.

July 12, Sat. **Field Trip:** Fingerboard Prairie. We will visit this flat meadow in the McKenzie Ranger District, at about 4500 ft. elev., near Mt. Washington. We will also visit nearby Deer Butte. Leave S. Eugene H.S., 9 A.M. Call Dave Predeek, 345-5531, for information.

July 26, Sat. **Field Trip:** Sardine Butte. Wet meadow habitat, suitable for *Frasera umpquaensis*. Located at the intersection of Oakridge, Blue River, and Lowell ranger districts. Meet: S. Eugene H.S., 8 A.M., or the covered bridge at Westfir, 9 A.M. Call Jenny Dimling, 343-3242, for more information.

High Desert

Meeting: No meetings in the summer.

July 19 - 20
Sat. - Sun. **Field Trip:** Studhorse Butte, Christmas Valley. We will join Lucile Housley, BLM botanist, for a survey of rare plants in this beautiful and isolated area of Christmas Valley. We will camp overnight and help Lucile survey. Call Lucile, 947-2016, evenings, or 947-6131 days, for details. We will meet her at the Christmas Valley Lodge on Saturday morning.

Aug. 2, Sat. **Field Trip:** Strawberry Summit/Morning Hill Forest Farm. Easy 7 mi. R.T. hike, with 1200 ft. elev. gain, to the highest peak in the Strawberry Wilderness, at 9038 ft. See interesting alpine and whitebark pine. Three grapeferns are found here. Participants can camp Fri. and Sat. nights at the trip leader's beautiful Morning Hill Forest Farm. Call Jennifer Barker in Canyon City at 541-542-2525, for details.

Sept. 13, Sat. **Field Trip:** Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the high Cascades, west of Bend. This is a 6 mi. R.T., moderate to strenuous hike with 1700 ft. elev. gain. Mostly off-trail hiking through the Three Sisters Wilderness, so number is limited to 12. A Cascades classic! **Preregistration is required.** Call trip leader Stu Garrett, 389-6981 evenings, to sign up.

Mid-Columbia

July 2, Wed. **Meeting:** 6:30 P.M. Our annual potluck at Jerry Igo's. Jerry will give us a little presentation on weeds. For directions and further information, call Barbara Robinson at 478-3293.

July 26 - 27
Sat. - Sun. **Wildflower Show:** 10 A.M.- 4 P.M., both days. Skamania Lodge, Stevenson, Washington. Presented in conjunction with the National Committee for the Lewis and Clark Bicentennial. For more information, call Allen Bell, 509-493-4212.

Aug. 6, Wed. **Meeting:** 7:30 P.M. Mildred and Stuart Chapin's beautiful house in White Salmon, Washington. Paul Slichter, a biology teacher at Gresham H.S., will give a slide show on the wildflowers of Lake County's high desert area. For directions, call the Chapins at 509-493-2823.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

July 8, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 SW Jefferson St., Portland. John Christy, wetland and aquatic ecologist for The Nature Conservancy, will give a program on "Pre-settlement Vegetation of the Tualatin River Basin."

July 13, Sun. **Field Trip:** Saddle Mountain. Visit a unique coastal mountain habitat at the height of the flowering season, with USFS botanist Carol Horvath. Species include *Dodecatheon austrofrigidum*, *Cardamine pattersonii* and *Saxifraga caespitosa* var. *subgemmifera*. Hike 2.5 mi. to the top with some moderate and some steep, uneven terrain and exposure. Trip limited to 12. **Preregistration required.** Driving: 100 mi. R.T. Leave: 8 A.M., east end of Cedar Hills Shopping Center parking lot. (Westbound from Portland on Hwy. 26, take exit 69B, follow signs to Cedar Hills. Northbound on Hwy. 217, take exit to Hwy. 26E/Cedar Hills, follow signs to Cedar Hills.) Contact Carol Horvath, 503-775-2650, to sign up and for more information.

July 19, Sat. **Field Trip:** South Prairie and Big Lava Bed. There will be three stops on this trip. The first will be at South Prairie Bog, next at Suksdorf's "Barley Meadow" -- the kind of locality for pale blue-eyed grass, *Sisyrinchium sarmentosum* -- then on to the west side of the Big Lava Bed to explore the lava and search for the tiny green spleenwort, *Asplenium viride*, under lava overhangs. Bring boots or an extra pair of shoes for bog slogging. Meet: Lewis and Clark State Park, Hwy. 84, 7:30 A.M., or the north end of the Bridge of the Gods, Hwy. 14, at 8:30 A.M. Contact Lois Kemp, 503-760-4998, for more information.

July 26, Sat. **Field Trip:** Mount Hood Meadows. Examine the impact of ski area development on alpine meadows and learn about restoration efforts. This will also be a chance to discuss recent management plan changes and their impacts while viewing the site with USFS botanist Heather Laub. Hiking distance, 2.5 mi., with 600 ft. elev. gain. Leave: 8 A.M., from Gateway/99th Ave. Park & Ride, near southeast corner of the parking lot. Take exit 7 from I-84, turn immediately right onto NE 99th Ave. Second meeting: 10 A.M., Mount Hood Meadows parking lot. Contact Heather Laub, 541-352-6002, ext. 618, or Greg Stone, 503-652-1531.

Siskiyou

Meeting: No meetings in the summer.

Aug. 2, Sat. **Field Trip:** Oregon coast from Brookings to Charleston. Leader: Bruce Rittenhouse, BLM. Features: Rare plants, such as *Lilium occidentale*, other coastal vegetation. Meeting place to be announced. This trip may be extended to two days, if the participants want to. Call Don Heinze, 541-955-7247, for more information.

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

- July 10, Thurs. **Meeting:** 6 P.M. Potluck at Hillcrest Vineyard. View *Quercus chrysolepsis* and *Quercus suber* in ag setting. Discuss the Oregon Flora Project. Bring an unknown plant for identification. Call 673-3709 for information.
- July 12, Sat. **Field Trip:** Go to Illahe Lookout and Wild Rose Trail to view plant regeneration and composition after last fall's Spring Creek fire. Meet: BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, for 8 A.M. departure.
- Aug. 2, Sat. **Field Trip:** Explore Crater Lake's rim drive pumice fields for subalpines. Long legs can hike the Mt. Scott trail. Leave: 7 A.M., BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, or rendezvous, 9 A.M., Diamond Lake Lodge. For information, call Richard Sommer, 541-673-3709.

Willamette Valley

Meeting: No meetings in the summer.

- July 5, Sat. **Field Trip:** Snow Peak and associated wetlands. Moderately difficult 1 mi. hike up to the old lookout site. The objective is to develop a species list for the Oregon Flora Project. Meet: BLM parking lot, corner of Fabry Rd. and South Commercial. Travel distance about 80 mi. Leader: Terry Fennell, 503-375-5678.
- July 12, Sat. **Field Trip:** Iron Mountain. Joint trip with Audubon Society. Moderately difficult hike. Meet: 7:30 A.M., K-Mart parking lot on Mission St. Bring water and lunch will be eaten at the lookout. Leader: Walt Yungen, 503-581-9511.
- July 19, Sat. **Field Trip:** Willamette University's Dr. Susan Kephart will lead the first of two trips to Black Butte in central Oregon to catch the early wildflowers and spectacular views. Bring layered clothing, sunscreen, lunch and water. Meet: Indian Ford Campground, north of Hwy. 20, 9 A.M. Check with the USFS to see if summer park permits are required for the Black Butte trailhead. Call Susan at 503-371-7161, or 370-6481, for more information.
- Aug. 9, Sat. **Field Trip:** Black Butte and Metolius Spring. Dr. Morris Johnson, Western Oregon University, will lead to the top of Black Butte in central Oregon. This 3 mi. hike starts at 4500 ft. elev. and ends at 6000 ft. Terrific views, penstemons and other wildflowers. Contact Morris at 503-838-8491, for meeting time and place.
- Aug. 16, Sat. **Field Trip:** Wash Creek Divide. This trip along Cascade Mountain ridges features the rare *Aster gormanii*, other late season flowers, huckleberries and great views. Meet: 8 A.M., BLM parking lot, corner of Fabry Rd. and South Commercial. Driving time about 2 hrs. Leader: Claire Hibler, 503-375-5677.

William Cusick

Meeting: No meetings in the summer.

- July 9, Wed. **Field Trip:** Local landowner and conservationist Loren Hughes will lead a trip to examine areas that are recovering from long term grazing. Location will be the Morgan Lake area or Mt. Harris, depending on conditions and participant interest. Optional picnic/barbecue after the trip. Meet: Safeway parking lot, 6 P.M. For information, call Loren Hughes, 963-3266.

July 12 - 13
Sat. - Sun.

Field Trip: You are invited to spend the weekend on The Nature Conservancy's spectacular Clear Lake Ridge Preserve near Joseph, Oregon. Hike Devil's Gulch to pull late season knapweed and Scotch thistle. Tom Rohn, an accomplished birder, will lead. Meet: Jerry's Market, Joseph, 8 A.M., for an early start. Drive 4-wheel drive vehicle, if you have one, and bring camping gear, food, gloves and your favorite weed digger. Call Berta Youtie, 963-3903, for more information.

There may be more field trips in July. Please watch the "Briefly" column in the La Grande Observer for announcements.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it's not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.
For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

Jean Siddall 1930 - 1997

It is with great sadness that I report the death of Jean L. Siddall, longtime member of the Portland Chapter of NPSO, who died May 3, 1997, of complications of a brain tumor.

Jean will be remembered for a great many important activities, but perhaps the most significant was her contribution to our present knowledge of Oregon's rare and endangered plants. An abbreviated history of that effort and Jean's key role is perhaps in order here, since almost 30 years have passed since the work began.

In the early nineteen seventies, Jean contacted Kenton Chambers, then Curator of the Herbarium at OSU, about assembling a comprehensive list of Oregon's rare plant species. Prior to this time, Dr. Chambers had prepared a preliminary list of Oregon rare species, focused especially on endemic taxa. Jean subsequently met with him to add species of her own which she felt were becoming rare through threats from human activities. Their combined preliminary list was used by The Smithsonian Institution in its 1978 publication, "Endangered and Threatened Plants of the United States."

Jean then acquired a grant from the Fish and Wildlife Service to document information on Oregon's rare species. Of these times, Ken remembers: "Jean was a superb organizer and was the perfect person to lead the cooperative effort that was required in preparing an endangered plant species list for Oregon." Jean set up her central files in a basement office in her home, under the organizational title "Oregon Rare and Endangered Plant Project." Because these were the days before personal computers, the data files all were typed by Jean and her major helpers, one of whom was Sue Vrilakas (now of The Nature Conservancy).

Beginning in 1976, Jean organized the first of four "rare and endangered plant conferences," at which participants responded to a proposed list of Oregon endangered taxa, by writing their personal observations about rarity and threats on worksheets. These sheets plus data from first-hand sighting reports were transferred by Jean's group of workers to punch cards. Now all such information is kept in computerized databases, like that at The Natu-

ral Heritage Program, but Jean Siddall and her small corps of workers did it all by hand in the seventies and eighties. Recently, remembering those days, Sue Vrilakas wrote: "Jean had a combination of intelligence, curiosity and focus, topped off with incredible amounts of energy and enthusiasm. She was a person whom it was hard to dissuade but a person who made a difference." Ultimately, Jean's pioneering work led directly to the current Natural Heritage Program and the Oregon Department of Agriculture's rare plant program.

After Jean's death this May, her family arranged for her accumulated data files, maps, punch cards and reference library to be transferred to the Oregon State University Herbarium. Funds were also donated by the family to initiate a Jean L. Siddall Memorial Botany Scholarship in the OSU Department of Botany and Plant Pathology, to support research projects using the files.

At a recent memorial service for Jean in Tryon Creek State Park, Ken Chambers emphasized how important it is that we remember Jean's pioneering work in the protection of Oregon's rare and endangered plant species. He writes: "As I told those who attended her memorial service, when it comes to protecting and conserving Oregon's endangered flora, the plain facts of the matter are: Jean was the pioneer; she initiated the work, and she made it all happen."

Donations to the Jean L. Siddall Memorial Botany Scholarship can be made to the Oregon State University Foundation, 517 Snell Hall, Corvallis, Oregon 97331.

Rhoda Love
Emerald Chapter

NEW KALMIOPSIS EDITOR NAMED

Thank you for asking me to edit Kalmiopsis; I think it will be a stimulating way for me to contribute to the Society. Any manuscripts, input, ideas, and other communications can be sent to me at vorobik.rockisland.com, or U.S. Mail: Dr. Linda Ann Vorobik, R.R. 1 Box 1964, Lopez, WA 98261; phone 360-468-3188; summer (June 8 - Aug. 20) phone via the Jepson Herbarium, UC 510-643-7008. I had a very productive meeting with retiring editor, David Kennedy, and the boxes were passed.

Linda Ann Vorobik

Native Plant Outreach Program a Success

A new and successful native-plant outreach program in Washington might serve as a model for other states interested in educating the public on use and importance of native plants. The Native Plant Stewardship Program provides native-plant education to local residents who then volunteer their time to teach others the importance of natives in the landscape.

The volunteers receive 100 hours of free training in a variety of topics, including plant taxonomy, ethnobotany, working with wetland plants and invasive species, landscaping with native plants, and the restoration of native habitats. In return, the students are required to provide a minimum of 100 hours of outreach education to area residents.

"This is a comprehensive overview and enough to give [volunteers] some expertise on the native-plant issue," according to Marilyn Freeman, acting agro-ecologist at Washington State University Cooperative Extension in Seattle. "Many [volunteers] that went through this training were Master Gardeners, artists, writers and some nursery workers ..."

... The first course ran for eight sessions, from February to April, and was held at University of Washington Center for Urban Horticulture in Seattle. It included three full-day tours of native habitats and visits to native plant nurseries. In addition, the volunteers were provided with a binder of reference materials on those topics.

For their 100 hours of outreach education, students could choose among a wide variety of projects, such as leading field trips for a school group or helping homeowners use native plants in their landscapes. The volunteers are required to keep a record of their hours and complete their projects within a year. "We hope it will then be a continual commitment," Freeman said.

Heidi Bennett, one of the volunteers, worked on several restoration projects. Bennett was also one of the teachers for the ethnobotany course, education volunteers on the Native American use of plants in the area. She is currently working on having native plant courses become a part of the horticultural curriculum of the University.

The program was created through a partnership

between the [Washington State University] Extension Service and the Central Puget Sound Chapter of the Washington Native Plant Society. It was funded through an \$18,000 grant awarded by the Puget Sound Water Quality Authority. The grant only provided funding for the first round of classes, Freeman said, so organizers are currently seeking revenue for continuation of the program from various state organizations and the University.

The article above is reprinted from the American Nurseryman magazine, December 1, 1996.

The program is said to be the only one of its kind in the country. Guy Sternberg, statewide director of the Illinois Native Plant Society, has said that while a number of other state native plant societies have seminars on native plants, very few offer outreach educational courses. Sternberg believes similar programs can work in other states, if conducted through a university.

For further information on the format of this native plant project, which may be of interest to other states, or to discuss funding, contact Heidi Bennett at 206-869-6359.

Wilbur L. Bluhm
Willamette Valley Chapter

WALLOWA-WHITMAN WALK

The Baker Ranger District of the Wallowa-Whitman National Forest is sponsoring a wildflower walk around Anthony Lakes, to see subalpine wildflowers and aquatic plants.

Meet at the Anthony Lakes campground at 10 A.M. on Saturday, the 26th of July. For more information, call Paula Brooks at 541-523-6110

Corvallis Native Plant Garden

History

In 1995, the Corvallis Environmental Center was looking for volunteers to plant a garden around a house being renovated in a park south of town (Avery Park). The house was to serve as a nature center for displays and public education run by the Environmental Center, as office space for the group doing the renovation (the Jay Cees), and as a second story flat for a caretaker hired by the Corvallis Parks and Recreation Department. The Corvallis Chapter of NPSO had long wanted to establish a native garden in this area and was delighted to take on this project when it was proposed at a chapter meeting. Coincidentally, the deadline for a grant being offered by the city of Corvallis's Civic Beautification Trust Fund was approaching, and so our newly-formed garden group hastily submitted a grant proposal for \$600, which was awarded to us. With the house as a focal point, our proposed garden was part of a larger plan serving the house, and required coordination with other interested parties. Our idea for a native garden was enthusiastically received by the Environmental Center and fell in nicely with their plans for a nature center.

Goals

We had several goals in mind, which have been modified as the project evolved. We wanted to set up a botanical garden with cataloged plants as a potential seed/cutting resource, using plants locally endemic to the floor of the Willamette Valley. We wanted to place the plants in the context of habitats found in the Valley and to approach the garden as a small ecosystem, rather than using the individual plant approach found in most home gardens. In keeping with the habitat approach, we especially wanted to put in a section of upland prairie, which is now restricted to approximately 1% of its former range.

Probably our main goal was to provide educational outreach to the public about native plants and native gardens. We wanted to teach people what could be done in their own gardens with local species, and to plant the notion not only of a garden that is potentially self-sustaining, but also one that would be constantly evolving, to be directed or not as desired by the gardener. We wanted to help the public to be able to recognize native plants and to discourage use of the term "native weeds." We plan to label each plant and have an informational notebook and handouts in the nature center containing plant descriptions, preferred growing

conditions and other general nursery-style information, as well as photographs of plants in bloom, and their uses by indigenous groups and wildlife (including insects.). The latter category, especially needs more research. For example, more needs to be known about the native plant preferences of local birds. We wanted the garden to be wheelchair accessible, and as it turned out, this was also essential to Parks and Recreation as a connection to other areas in the park. Finally, we wanted to educate ourselves, to fill in the gaps in our knowledge and to find out what works and why. We have already found it unexpectedly educational to coordinate a project with several other groups.

Site and Plan

The house contained a yard partially surrounded by a cyclone fence. Parks and Recreation decided that the fence could be taken out and they removed it for us, which substantially opened up the area and allowed a much more natural and flowing garden design. The fence on the south side of the house was thick with three evils: blackberry bushes, morning glory, and ivy -- plus a little native poison oak -- and this all had to be removed manually. We decided to do the garden in stages over a three year period, beginning with the south side where there was open oak woodland and one young big leaf maple. This provided a good site for understory plants and we made one section a coniferous understory (even though there were no conifers) and one an oak understory. We created a wheelchair path which joins the parking lot on the north side of the house to the deck on the south side, between the lawn area and our garden on the periphery of the lawn. We also planned to lay in bark mulch paths running from the wheelchair path through the trees and around the garden beds.

We created raised beds by bringing in soil from the local landfill and placing six inches of bark mulch (supplied by Parks and Recreation) on top. We dug out the wheelchair path with a tractor. Our inexperience in using the scoop produced a slightly different path configuration than we had imagined, somewhat less meandering than we had intended. We filled the path with quarter minus gravel and tamped it down with a mechanical plate. The path was by far the most difficult part of the project.

This summer we're going to start the prairie section with flats of seeds that we planted this spring. We plan to fill it in with other species by collecting this year's seed crop as it matures. We'll have to see if we can achieve a balance among various species, or whether some mainte-

nance will be required, as some plants will tend to be more aggressive than others.

There were some constraints associated with the site. Because it is next to a heavily used canopied fire pit (up to 300 people at a time), a volley ball net, an area with playground equipment for children, and will be flanking the house, Parks and Recreation had safety concerns about dense shrubbery. They also did not want to add much to the tree canopy. And with the heavy use, we had to ensure that the garden would not be trampled. They will remove three non-native trees for us, but will not remove the pesky cherry tree bordering our wheelchair path as they feel the public likes it. We plan to use that to our advantage by describing its undesirable traits in our literature.

We did not put in a couple of trees (one of which had already been eaten by something tall). We spaced the shrubs so that they won't be dense, but as time passes, we may need to either prune or remove them. We also realized that Corvallis and the surrounding vicinity encompasses elevations and unique areas, such as Mary's Peak, that support species not found on the valley floor. We ended up incorporating some of these species into the garden as it seemed to make sense to try to show plants found throughout Corvallis. Mary's Peak is so different that we felt it was important to represent it separately. We plan to build a rock wall which will contain plants endemic to the rockeries found on the mountain.

We received another grant from the Civic Beautification Committee this year and plan to buy two concrete benches which we will place strategically in the garden, for both protection from the crowds and for enjoying the garden. The Committee viewed the garden for the first time last week and consider it one of their most successful funding efforts. We decided it was unrealistic at this time to pursue a botanical garden, but it is perhaps something we could attempt in the future.

With several species endemic to this area that either are, or are becoming, endangered, such as *Sidalcea nelsoniana* and *Delphinium pavonaceum*, we hope we can use the garden to show people what they can do with their own gardens, and sensitize them to native plants in general and the plight of native species and habitats in particular. We would like to see people understand and want to preserve their regional uniqueness. Suggestions and volunteers are welcome.

Carolyn Ver Linden, Corvallis Chapter

Weed Free Forage Bill Goes to Governor for Signing

At the request of the Native Plant Society, a bill to create a weed-free forage certification program within the Department of Agriculture was introduced in the Senate by Senator Thomas Wilde in early April. With little delay, the bill moved swiftly through committees and both chambers with strong support from diverse interest groups.

Often heralded as an effective, albeit small, step forward in the state and national effort to control the spread of noxious weeds, Senate bill 913 attracted strong support from groups as diverse as the Farm Bureau, Cattleman's Association, Watershed Councils, Oregon Trout and the Audubon Society. This bill actually represented several of the rare moments in this session when both sides of the aisle found agreement with little trouble.

The bill involved only a few simple amendments to existing statutes that would allow the Department of Agriculture to establish a program to cover all forage products including straw and hay. The program was presented to the legislature as being cost neutral for budget considerations. To administer the program, the Department of Agriculture plans to charge growers for inspections and subsequent certification. Growers benefit by being able to receive higher market prices for their products.

Testimony before natural resources committees in both the House and Senate often focused on the support this program will provide to wilderness areas and restoration projects. The Seed Growers Association, Bureau of Land Management, U.S. Forest Service and Wallowa County provided key support. Special thanks go to Jon Christenson of Senator Wilde's office for his work in guiding this bill through the legislative process.

Governor Kitzhaber is expected to sign the bill near the end of June. Once it becomes law, the rule-making process will begin to work out the details of implementation. Anyone interested in helping to guide this process should contact Steve Hinton at 503-222-9091.

Steve Hinton
Legislative Chair, NPSO

Klamath Basin Chapter News

The Klamath Basin Chapter, which is now being organized, is scheduled to hold its first monthly meeting in September, the location and date to be announced.

And on Saturday, July 12, a field trip (lasting three hours) to Seven Mile Marsh in the Klamath Ranger District will take place. Water, insect repellent and boots are desirable. Lichens and various kinds of aquatic and terrestrial plants will be seen. For information on the time and place to meet for this trip, Call Susan Erwin in Klamath Falls at 885-8360.

Eagle Cap Seeks Volunteers

The Eagle Cap Ranger District of the Wallowa-Whitman National Forest is seeking volunteers for assistance with a trail revegetation project in the Eagle Cap Wilderness.

Work will include transplanting native vegetation, collecting and planting native seed, and building waterbars. Some money is available to cover food costs for participants. The work is anticipated to last five to seven days, and will take place in August or September, depending on the needs of the volunteers. This is a great opportunity to explore a beautiful part of Oregon, and to help the Forest Service re-establish native plants in a fragile area. For information, call Tom Carlson at the Eagle Cap Ranger District, 541-426-4978.



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NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

NPSO Membership Directory lists names, addresses and phone numbers of members (April, 1997). Available from Jan Dobak, 2584 Savier St., Portland, OR 97210-2412. \$2 each.

North American Sea Plant Society

The formation of the North American Sea Plant Society, Inc., was recently announced. This is a national organization dedicated to the study and enjoyment of plants indigenous to coastal areas throughout North America. Sea plants are defined as "any botanical specimen which is affected either in a direct or indirect manner by natural salt sea spray." The organization is of special interest to gardeners and horticulturists.

Members receive a quarterly publication, *Maritima*, have access to the association's seed exchange program, may request on-line computer searches for a nominal fee, and obtain assistance in the formation of local units. Membership, open to all, is \$12 a year. For information, contact Pamela D. Jacobsen, NASPS, Inc., P.O. Box 262, Feeding Hills, MA 01030-0262; FAX (413) 789-2076; e-mail 103242.2424@compuserve.com.

Send change of address notices
and membership requests to:
Native Plant Society of Oregon
Jan Dobak, Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

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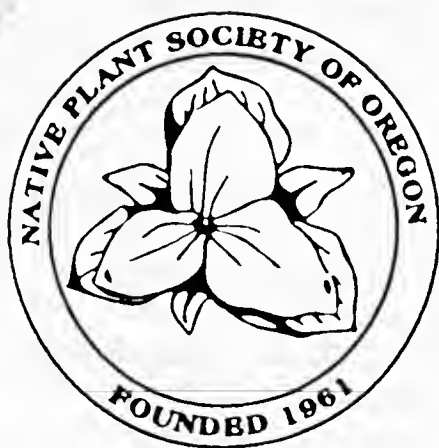
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NATIVE PLANT SOCIETY OF OREGON
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or correspond directly with the Officers and Committee Chairs listed on the inside back page.
Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412



Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

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State News

Sept. 27, Sat.. **State Board Meeting:** 10 A.M. - 4 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Hosted by the High Desert Chapter.

Chapter News

Blue Mountain

Meeting: No meetings for the rest of the summer.

Corvallis

Meeting: No meetings until October.

Aug. 2, Sat.

Work Party: Help build the boardwalk at Jackson-Frazier Wetlands. Spend a constructive morning helping to level soil, shovel gravel, move boards and assemble boardwalk. It's a great project! Tools and water provided, but bring work gloves (and food is desired). 9 A.M. - 1 P.M. Meet: OSU parking lot, west of the Beanery, 26th and Monroe. For more information, call Bob Frenkel, 754-6790.

Aug. 16, Sat.

Field Trip: Day-long hike at Three Finger Jack. Meet: OSU parking lot, southwest of Campus Beanery, 26th and Monroe, 7:30 A.M. Hike to Three Finger Jack moraines from Jack Lake, return via Round Lake trail. Moderately strenuous 8 mi. hike with cross country segment. Unusual plants include *Elmera racemosa*, *Claytonia megarhiza* var. *bellidifolia*. Bring food and water. Call Loren Russell, 541-752-7558, for information and to reserve a place. Limited to 12. persons.

Help Wanted: Interested in gardening? We meet at the Avery House once a week in the evening, 6:30 - 8 P.M., to work on the native garden. Last year we created woodland beds, and this year we're preparing a new bed for our dry prairie section. Stop by and take a look.

Would you like to help with the annual Spring Flower Sale? It's always a lot of fun. We usually need help potting plants, transporting plants, plants, booth, table, litera-

ture, etc., and staffing the table. If you are interested in helping with the native garden, the flower sale, or the Benton County Fair display, call Carolyn at 752-7132.

Emerald

Meeting: No meeting in August.

Sept. 22, Mon. **Meeting:** 7:30 P.M. Room 110, main campus, Lane Community College, Eugene. Jerry Igo, of the Mid-Columbia Chapter, will present his video program, "Cottonwoods, Cattails and Coots," about wetlands and their uses for outreach and education. Jerry may also talk about his recent pilgrimage along the Lewis and Clark Trail. Directions: From 30th Ave., turn south on Eldon-Schafer Drive, go past Oak Hill School and park in LCC's south parking lot, east end. Walk downstairs to Science Building. Entrance to room 110 is on the east side of the building.

High Desert

Meeting: No meetings in the summer.

Aug. 2, Sat. **Field Trip:** Strawberry Summit/Morning Hill Forest Farm. Easy 7 mi. R.T. hike, with 1200 ft. elev. gain, to the highest peak in the Strawberry Wilderness, at 9038 ft. See interesting alpine and whitebark pine. Three grapeferns are found here. Participants can camp Fri. and Sat. nights at the trip leader's beautiful Morning Hill Forest Farm. Call Jennifer Barker in Canyon City at 541-542-2525, for details.

Sept. 13, Sat. **Field Trip:** Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the high Cascades, west of Bend. This is a 6 mi. R.T., moderate to strenuous hike with 1700 ft. elev. gain. Mostly off-trail hiking through the Three Sisters Wilderness, so number is limited to 12. A Cascades classic! **Preregistration is required.** Call trip leader Stu Garrett, 389-6981 evenings, to sign up.

Klamath Basin

Sept. 17, Wed. **Meeting:** This will be the first meeting of this new chapter. The time, place and subject will appear in the September Bulletin. Call Susan Erwin, 541-885-8360, for more information.

Mid-Columbia

Aug. 6, Wed. **Meeting:** 7:30 P.M. Mildred and Stuart Chapin's beautiful house in White Salmon, Washington. Paul Slichter, a biology teacher at Gresham H.S., will give a slide show on the wildflowers of Lake County's high desert area. For directions, call the Chapins at 509-493-2823.

Aug. 9, Sat. **Field Trip:** Grass seed collecting and swimming party on the east side of Mt. Hood. Join USFS botanist, Caitlin Cray, to savor the contemplative joys of seed collecting and the joys of swimming at White River Falls State Park. We'll learn how to recognize and pick seed from Idaho fescue and prairie junegrass, look for the elegant, late-blooming green-band mariposa, and finish the day with a swim downstream from the falls. Our collection sites are all within a quarter mile of the road, so not much hiking. Bring a large, paper grocery bag and scissors for the seed collecting. Meet: Barlow Ranger Station (13 mi. south of the Dalles) at 10 A.M. Expect very hot, dry weather, so bring plenty of water and sun protection and lunch, swimsuit and towel. We'll finish seed collecting by 2:30 P.M. and cool off at White Falls State Park. The park has a pleasant, shady picnic area with BBQ grills, if you want to linger there for supper.

Call Caitlin Cray, 509-395-3396, for more information.

Sept. 3, Wed. **Meeting:** 7:30 P.M. Pietro's Pizza in the Dalles. Bill Reynolds, weed control officer for Hood River County, will tell us about a study on knapweed control.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

Meeting: No meeting in August.

Aug. 3, Sun. **Field Trip:** Mount Hood wilderness area. Specific trail to be announced. Limited to 12 persons. **Preregistration required.** Leave: 8:30 A.M., Gateway/99th Ave. Park & Ride, near southeast corner of parking lot. Take exit 7 from I-84, turn immediately right onto NE 99th Ave. Second meeting: 9:30 A.M., Zig Zag Ranger Station, Hwy. 26. Moderate, 3 hr., hike. Bring lunch. For more information, call Greg Stone, 503-652-1531, or Sue Allen, 503-622-3611.

Aug. 23, Sat. **Field Trip:** Elk Meadows. Join USFS botanist, Heather Laub, for a 2.5 mi. hike through mature forest, arriving at a subalpine meadow, with abundance of asters and views of Mt. Hood. Modest elev. gain, easy grade. Limited to 12 persons. **Preregistration required.** Driving: 140 mi. R.T. Leave: 8 A.M., Gateway/99th Ave. Park & Ride, near southeast corner of parking lot. Take exit 7 from I-84, turn immediately right onto 99th Ave. Second meeting: 10 A.M., Hood River Meadows parking lot at trailhead. Take Hwy. 26 to Hwy. 35, watch for signs to Hood River Meadows on left. To sign up, or for more information, call Greg Stone, 503-652-1531.

Siskiyou

Meeting: No meetings in the summer.

Aug. 2, Sat. **Field Trip:** Oregon coast from Brookings to Charleston. Leader: Bruce Rittenhouse, BLM. Features: Rare plants, such as *Lilium occidentale*, other coastal vegetation. Meeting place to be announced. This trip may be extended to two days, if the participants want to. Call Don Heinze, 541-955-7247, for more information.

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

Meeting: No meeting in August.

Aug. 2, Sat. **Field Trip:** Explore Crater Lake's rim drive pumice fields for subalpines. Long legs can hike the Mt. Scott trail. Leave: 7 A.M., BLM parking lot, 777 Garden Valley Blvd., just off exit 125 of I-5, or rendezvous, 9 A.M., Diamond Lake Lodge. For information, call Richard Sommer, 541-673-3709.

Willamette Valley

Meeting: No meetings in the summer.

Aug. 9, Sat. **Field Trip:** Black Butte and Metolius Spring. Dr. Morris Johnson, Western Oregon

University, will lead to the top of Black Butte in central Oregon. This 3 mi. hike starts at 4500 ft. elev. and ends at 6000 ft. Terrific views, penstemons and other wildflowers. Contact Morris at 503-838-8491, for meeting time and place.

Aug. 16, Sat. **Field Trip:** Wash Creek Divide. This trip along Cascade mountain ridges features the rare *Aster gormanii*, other late season flowers, huckleberries and great views. Meet: 8 A.M., BLM parking lot, corner of Fabry Rd. and South Commercial. Driving time about 2 hrs. Leader: Claire Hibler, 503-375-5677.

William Cusick

Meeting: No meetings in the summer.

Aug. 16 - 17 &
Sept. 13 - 14
Sats. & Suns.

Work Party: The Nature Conservancy's Dunstan Preserve on the Middle Fork John Day River. Help remove old fences, dismantle buildings, repair historic structures. BBQ Sat. eves. Bring camping equipment, food, musical instruments. Meet at preserve Sat. A.M. For directions, call Berta Youtie, 541-962-3903, or the preserve, 421-3037.

There may be other activities. Watch the La Grande Observer for announcements.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual," where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult the editor.

ORIGINALS: Submissions are not returned, unless requested.

What Do You Want From NPSO?

At the spring board meeting in Roseburg, the membership report indicated that NPSO did not show any growth over the past year. Growth in itself is not important, however the lack of growth can be taken as a measure of the health of an organization. If members are finding satisfaction or stimulation from the activities and programs of the organization they will they will maintain their membership. What appears to be happening in NPSO is that we lose old members as fast as we gain new ones.

This suggests that some of the people who had an initial interest in NPSO have been disappointed. I believe that we should be trying to find out what these people wanted from NPSO that they did not find. I feel that this should be done at the chapter level. Each chapter has different levels of activity and the reasons for changes in membership will probably be different for each chapter. If it appears that the reasons are shared by all of the chapters, the information gained by one chapter can be shared with the others.

In addition to finding the causes for members leaving NPSO, I believe we are not telling the public enough about what we are accomplishing. I have never seen a news article about the grants we award to activities such as the Atlas Project or the Carex Working Group. Our sponsorship of summer interns should be newsworthy. Each chapter has some project that should be of interest to the public, primarily because the projects have value far beyond the publicity that NPSO might receive. To cite just a couple of examples, NPSO chapters have carried out revegetation projects, and have worked to remove knapweed, teasel and other noxious plants from sites of special value. I am certain that information on these projects would bring new members to NPSO.

I would be interested in hearing from any of the members who would take the time to prepare a description of "What I want from my membership in NPSO." If there are enough responses to this request, I will prepare a summary for a future issue of the Bulletin.

Michael Fahey
President, NPSO

We Welcome New Members Joining From 3/30/97 to 7/1/97

Blue Mountain

Inez Julia Austin
Eric Clough
Jerold D. Linville
Laura Richardson

Corvallis

Amity Gagnon
Anne Reiling
Robert L. Stebbins
Stan Stephens

Emerald

Glen Cole
Marcia J. Cutler
Melda DeSalvo
Helen Hollyer
Nancy Holzhauser
Karen Jeanne
Eileen Jones
Jana Logan
Dawn Saxton
Susan Schubert
Jeff Walker

High Desert

Alvin F. Chase
Darryl Fitzwater
Paula and Lynne MacNeill

Mid-Columbia

Camilla Bishop
Sally Claggett
Lori Johnson
Marie Louise Penchoen
Lynn Roberge
Dale Rush
Chela Stader

Portland

Shelly Atwood
Brian E. Baker
Marilynn Christianson
Virginia Dodson
Sabine Dutoit
Margaret E. K. Evans
Marit Federcell
Lexi Fickensher
Karen L. Hennings
Colin MacLaren
Bronwyn S. Owen

Julie Reilly
Otha L. Terry
Sarah Uebel

Siskiyou
Rick Barclay
Cyndi Dion
Winn Frankland
Carrol J. Maurer
Allan V. Naydol

Umpqua Valley
Jim Long
Christine Masters

Willamette Valley
Bill and Gay Purnell

William Cusick
Susan M. Geer

NPSO Board Meeting Highlights

April 26, 1997, Roseburg, Oregon

High on the list of priorities for this meeting were nominations for the positions of state treasurer and editor of *Kalmiopsis*. Luckily, Jean France agreed to remain as treasurer until someone could be trained to take over. Ideas for the *Kalmiopsis* editorship were discussed and potential parties were to be contacted.

The board applauded Tom Kaye for the symposium proceedings and Dave Kennedy for the latest issue of *Kalmiopsis*. Both are beautiful books. Money from the excellent sales of the symposium proceedings will go to research grants, the Oregon Flora Project and a future symposium.

Conservation efforts continue on both sides of the state. On the eastside, Stu Garrett is pursuing a new grazing policy for the high desert with the BLM and the USFS and is writing letters to BPA regarding *Botrychiums*. The main issue facing the westside is the threat to the Rough and Ready Botanical Area. Also, there will be increased logging in the Willamette National Forest, due to logging restrictions on the coast where the marbled murrelets are found.

In her last report to the board as EFO liaison, Maya Muir encouraged all board members to think about how their chapters can get more involved in the volunteer process. Soon EFO will

have some more creative options to reach the quota for volunteer hours, including printing the EFO logo and having a monthly column in the Bulletin and on our web page. Shane Latimer will be submitting articles to the Bulletin that will also be worth volunteer hours. In 1996, we were short some hours, so Sue Allen donated some artwork in lieu of the hours.

At the time of this meeting, the field season for listwork had just begun. Lucille Housley is stepping forward to get lists together from the southeast corner of the state. Medford BLM submitted 236 species lists which are being entered. Maps, like the *Carex* maps are being created for the regional coordinators, showing where to concentrate their efforts. Anyone wanting to donate time to either the Atlas or Checklist project should talk to Scott Sundberg.

Tasks that go beyond the Atlas and Checklist themselves have begun. A contributors' guide for the Flora will direct planning and identify parts of the Flora that can be independently funded. There is no reason that people such as George Argus, the willow expert, couldn't start working on parts of the Flora while we complete the Checklist. Existing software needs to be evaluated for data storage and some serious decisions regarding the timeline and corresponding budget for the Oregon Flora Project need to be made. Keli Kuykendall has volunteered to organize the fund-raising effort. Start thinking about a new Flora of Oregon as a well-funded project with a full-time staff.

All grant requests came in under budget. Linda Boyer's proposal to re-survey the Willamette Valley for *Delphinium oreganum* does not meet our grant guidelines because some of the money she requested will go to lab work. Although clearly outside of our rules, an exception was granted because it is a direct outgrowth of field work. The committee agreed to award this grant, but recognized it as a special case so as not to ruin the integrity of the program. This reaffirmed NPSO's commitment to field work and it did not displace any field work because there were not many grant requests this year. This stipulation was made since botanists have not been obtaining enough money to get out in the field, especially in eastern Oregon.

For the last meeting over which he would preside as president, Mike Igo focused on a few pressing issues. Washington State Parks and Recreation was threatening to allow grazing in the Dalles Mountain Ranch, a state park containing many

kinds of plants in its more than 6000 acres. The president also appointed Jerry Igo as a NPSO representative to the Exotic Plant and Pest Council. This group is a cooperative effort to work on weed problems throughout the western states and Canada. Of course he did not forget to mention the opening of the Columbia Gorge Discovery Center on May 24th, a large development complex landscaped exclusively with native plants.

The final hours of the spring NPSO board meeting were spent discussing the activities of the chapters. This summer will be full of field trips, Atlas lists, plant sales, flower shows, native plant gardens, identification classes, conservation agreements, brochures, habitat restoration and more.

Heather Laub
Secretary, NPSO

Annual Meeting Highlights

June 7 - 8, 1997, Camp Cascade, Oregon

The annual meeting convened after dinner at Camp Cascade, with President Mike Igo presiding over the 65 members present. Mike thanked outgoing officers for their efforts, and gave commendations to Bulletin editor John Robotham and Bulletin mailing committee Marvel Gillespie and Bob Powne. He also presented an award to outgoing Kalmiopsis editor David Kennedy, and announced the appointment of Linda Vorobik as new editor. Then the new officers were inaugurated. They are: Mike Fahey, president; Mike McKeag, vice president; Heather Laub, secretary; Jean France, treasurer; Bruce Barnes, Bruce Newhouse, Kareen Sturgeon, directors. Soon after that, the brief business meeting was adjourned, and Scott Sundberg began his presentation on the Oregon Flora Project.

The following morning, the new NPSO president, Mike Fahey, began the summer board meeting. The treasurer's report began the meeting on a good note; due to successful sales of the symposium proceedings, money was available early to finish the three Oregon Flora Project grants.

Bruce Rittenhouse provided the board with a list of Oregon Natural Heritage Program List 1 plant species (1995 edition) arranged by chapter. He requested that each chapter prioritize the top five species that they feel need monitoring or additional inventory. The intention is to see NPSO take an active role in monitoring plant populations for population trends, habitat assessment, and threat

identification. Bruce was inspired by an article in the Botanical Garden Journal describing a program of volunteers who monitor rare plants in other parts of the country. On the south coast of Oregon and in northern California, a successful volunteer population monitoring program has already been set up for *Lilium occidentale*.

Mike Fahey designated a chairperson for the nominating committee, so that nominations for the three directors-at-large and four officers to be elected in the following year will be made long before the elections. He also recommended that we go back to the schedule specified in the bylaws for announcing names and publishing biographies. Several chapters have also been changing the guard. The Siskiyou Chapter elected new officers, including Jennifer Biegel, a primary organizer of the successful Siskiyou Ecology Conference. Chapter board positions for the next year have filled by the Emerald Chapter as well. Everyone on the board feels that it is important to find enthusiastic people to continue local chapter activities during the next year.

The recipient of the Jean Davis Memorial Fund, a \$1000 scholarship, is Russell Huddleston, a student at Southern Oregon State College. Russell is researching plant ecology of the vernal pools on the Agate Desert landform in the Rogue Valley near Medford. Russell was a strong candidate and we are happy we can help him continue his educational pursuits.

As always, chapter reports were saved for last. The Emerald Chapter is celebrating its successful Mt. Pisgah Wildflower Show in May, and its gorgeous new t-shirt. The Siskiyou Chapter wrote a letter to the Siskiyou National Forest about the loss of the Illinois Valley botanist. This ranger district deserves a full-time botanist, due to the number of rare species and the potential impacts from mining and other projects. The Mid-Columbia Chapter will be hosting their annual plant show, July 26-27, at Skamania Lodge. In addition, the chapter awarded \$250 to Daysha Eaton to help the Hood River Ranger District botanists monitor the effects of management activities on native plants at Mount Hood Meadows. The award was matched by the Portland Chapter which takes a strong interest in the activities of the nearby ski area.

Heather Laub
Secretary, NPSO

Siskiyou Ecology Conference

It was a wonderful weekend in May in the Illinois Valley. A wide array of speakers, posters and field trips, along with great weather, allowed people from many places in the nation to learn more about this fabulous area -- the Siskiyou/Klamath region.

Keynote speakers, Frank Lang, Art Kruckeberg and Don Zoebel, shared stories about historical botanical explorations and information about the serpentine vegetation of the vicinity and in particular about Port Orford cedar.

Jennifer Beigel (new Siskiyou Chapter president), Eric Jules and Barry Snitkin did a terrific job in organizing the event. The topics presented were truly ecological and presented information and research on a variety of subjects. The local community worked really hard in supporting these three in the logistics of the weekend.

At the beginning of the conference, Jennifer said that in their early planning they thought 60 people might get together for a one day workshop. But as potential presenters responded and people registered, it turned into a three day event, with 300 attending, and had to be moved to a larger building.

As events like this go, many questions came out of the conference. The Siskiyou Regional Education Project is compiling these questions, so they will be available as potential research projects.

Many asked if there would be a conference next year. Plans are to have a field session. Details will be supplied later. We really want to continue this effort, so we hope to have another one organized in two or three years. It was really valuable to hear what people in different fields are doing in this vicinity and to get some networking going.

Dominick DellaSala of the World Wildlife Fund attended. He calls the Siskiyou/Klamath area the "Galapagos of North America." Recently the WWF named this area one of the four richest conifer forests in the world and is promoting it in its international and national forest campaigns.

The event's sponsors included the Siskiyou Project, the Oregon Caves National Monument, Southern Oregon University Biology Department, the Native Plant Society of Oregon, and its Siskiyou Chapter. I was proud to have NPSO and our

chapter associated with this top quality conference.

There will be a notice in the Bulletin when conference proceedings are available.

Barbara Mumblo
Siskiyou Chapter

NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

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NPSO Membership Directory lists names, addresses, and phone numbers of members (April, 1997). Available from Jan Dobak, 2584 Savier St., Portland, OR 97210-2412. \$2 each.



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Please make checks for dues and contributions payable to:
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DUES include monthly *Bulletin* and *Kalmiopsis* when published. Membership is for calendar year, January to December.

() New () Renewal
 () Student. \$12
 () Regular. \$18
 () Family. \$24
 () Sustaining. \$50
 () Patron. \$100
 () Life Membership. \$500

() Subscription Only (*Bulletin* and *Kalmiopsis*). \$18
*Only for those wishing to subscribe
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CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund. \$ _____
 Leighton Ho Memorial Field Botany Award Fund. . \$ _____
 Rare and Endangered Plant Fund. \$ _____

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New memberships enrolled after September 1
include the following year.

Send completed form and full remittance to:
Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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NATIVE PLANT SOCIETY OF OREGON
World Wide Web: <http://www.teleport.com/nonprofit/npso>
General Business Address: P. O. Box 902, Eugene, OR 97440
or correspond directly with the Officers and Committee Chairs listed on the inside back page.
Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412



Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 9

SEPTEMBER 1997

ISSN 0884-599

State News

Sept. 27, Sat. **State Board Meeting:** 10 A.M. - 4 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Hosted by the High Desert Chapter.

Chapter News

Blue Mountain

Meeting: No meetings until October.

Corvallis

Meeting: No meetings until October.

Survey: We will be sending you a survey about the activities in our chapter. Please take the time to fill it out and return it. It will help us determine what your interests are and how we can help best serve them. For more information, call Carolyn at 752-7132.

Emerald

Officers: Newly elected officers are: Rhoda Love and Gail Baker, co-presidents; Marcia Cutler, vice president; Phil Warner, secretary; Dave Predeek, treasurer.

Sept. 13, Sat. **Field Trip:** McKenzie Pass. We'll see Newberry's gentian, and hopefully, two, three, or four species of cute little grape ferns and moonworts (*Botrychium* spp.). And if that's not enough, it will be huckleberry season too. Meet: S. Eugene H.S. parking lot, 6:30 A.M. Bring lunch. Co-leaders: Dave Predeek, 345-5531, Bruce Newhouse, 343-2364.

Sept. 22, Mon. **Meeting:** 7:30 P.M. Room 110, main campus, Lane Community College, Eugene. Jerry Igo, of the Mid-Columbia Chapter, will present his video program, "Cottonwoods, Cattails and Coots," about wetlands and their uses for outreach and education. Jerry may also talk about his recent pilgrimage along the Lewis and Clark Trail. Di-

rections: From 30th Ave., turn south on Eldon-Schafer Drive, go past Oak Hill School and park in LCC's south parking lot, east end. Walk downstairs to Science Building. Entrance to room 110 is on east side of the building.

Oct. 27, Mon. **Meeting:** 7:30 P.M. Room 110, main campus, Lane Community College, Eugene. Dr. Barbara Wilson, of the Carex Working Group at OSU, returns to tell us "More Than You Ever Wanted to Know About Oregon Fescues." See Sept. meeting for directions.

High Desert

Sept. 13, Sat. **Field Trip:** Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the high Cascades, west of Bend. This is a 6 mi. R.T., moderate to strenuous hike with 1700 ft. elev. gain. Mostly off-trail hiking through the Three Sisters Wilderness, so number is limited to 12. A Cascades classic! **Preregistration is required.** Call trip leader Stu Garrett, 389-6981 eves., to sign up.

Sept. 30, Tues. **Meeting:** 7 P.M. This is our annual fall potluck at Stu Garrett's house, where we will plan the year's meetings. Bring salad, main dish or dessert. Address is 21663 Paloma Dr., Bend. Call 389-6981 evenings, for questions. (**Note: This is the 5th tuesday.**)

Oct. 28, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. This is the member slide show. Bring ten of your favorite, recent slides to share.

Klamath Basin

Sept. 17, Wed. **Meeting:** 7 P.M. Room 218, Owens Hall, OIT campus. Sandra Klepadloe will present a slide show on the plants of Crater Lake National Park. Call Susan Erwin, 541-885-8360, for more information.

Mid-Columbia

Sept. 3, Wed. **Meeting:** 7:30 P.M. Pietro's Pizza in the Dalles. Bill Reynolds, weed control officer for Hood River County, will tell us about a study on knapweed control.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

Sept. 9, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Charlene Holzwarth, Marvel Gillespie and Linda Hardie will share their trip to Switzerland.

Sept. 13, Sat. **Field Trip:** Mt. Hood. We will join USFS management officer John Davis for a discussion of vegetation practices on four separate sites, including West Lake Rd. to examine the preservation of whitebark pine at timberline, retaining vegetation at high elevations, traditional foods of native Americans and the comparison of management practices, and Old Maid Flat on how to manage vegetation under power lines. **Meet:** 8 A.M., 99th and Glisan Park & Ride, southeast corner of parking lot. Second meeting place: 9 A.M., Zig Zag Ranger Station, Hwy. 26, in parking lot. For more information, call Greg Stone, 652-1531, or John Davis, 622-3191, ext. 653.

Sept. 21, Sun. **Field Trip:** Mt. Adams. Join field trip leader Mary Vogel for a hike along the Pacific Crest Trail to see gentians, alpine anemones, mushrooms, and to discuss pioneer and native American uses of herbal plants. Approx. 6 to 8 mi. R.T., 2 hr. drive to trail-

head. Optional stop at Carson Hot Spring afterward. Meet: 8 A.M., 99th and Glisan Park & Ride, southeast corner of parking lot. For more information, call Greg Stone, 652-1531, or Mary Vogel, 452-3979.

Oct. 5, Sun. **Field Trip:** Mt. St. Helens. See some of the finest noble fir anywhere (5 to 6' diam.) on the Blue Lake Trail, with field trip leader Mary Vogel. There will be discussion of ancient forest ecology and native plant uses. One and a half hour drive to trailhead. Meet: 8 A.M., 99th and Glisan Park & Ride, southeast corner of parking lot. For more information, call Greg Stone, 652-1531, or Mary Vogel, 452-3979.

Siskiyou

Sept. 18, Thurs. **Meeting:** It's time for our annual fall potluck (food and slides): Dinner at 6 P.M. at the upper duck pond in Lithia Park. Bring a dish to share, a plate and utensils. Meeting at 7:30 P.M. in room 171, Science Building, SOOSC, Ashland. **Everyone** is encouraged to bring slides of new and old discoveries, favorite plants and places, and ??? to share with the group.

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

Sept. 11, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse, Roseburg. Come and share your botanical experiences.

Willamette Valley

Sept. 15, Mon. **Meeting:** 7 P.M. Room 225, United Methodist Church, 600 State St. NE, Salem. This is a business meeting in which we will decide the goals and projects for the coming year. All members please attend. Snacks provided.

William Cusick

Meeting: No meeting in September.

Sept. 13 - 14
Sat. - Sun.

Work Party: The Nature Conservancy's Dunstan Preserve on the Middle Fork John Day River. Help remove old fences, dismantle buildings, repair historic structures. BBQ Sat. eve. Bring camping equipment, food, musical instruments. Meet at preserve Sat. A.M. For directions, call Berta Youtie, 541-962-3903, or the preserve, 421-3037.

There may be other activities. Watch the La Grande Observer for announcements.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

Bulletin of the Native Plant Society of Oregon; John Robotham, Editor; 117 NW Trinity Pl. #28, Portland, OR 97209.

Published monthly. Subscription price \$18/year. ISSN 0884-599. Date and issue number on page 1.

Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black and white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult the editor.

ORIGINALS: Submissions are not returned unless requested.

WILDWOOD WALK FOR STATE PARKS

The Sierra Club, Columbia Group, is sponsoring the "Wildwood Walk for State Parks" as a way to raise money "to support efforts by the Sierra Club [to secure] a stable and long-term source of funding for Oregon State Parks." There are two-mile, 10-mile and 25-mile walks in Washington and Forest Parks. They start at 9 A.M. (25-mile can start earlier) On Saturday, September 13. The entry fee is \$12, and one checks in at the Vietnam Veterans Memorial (near the Washington Park Zoo in Portland). For more information, call 503-231-0507.

President's Message

Last month, I asked: "What Do You Want From NPSO?" After preparing that note, I read my copy of the summer issue of the Washington Native Plant Society's newsletter and found that WNPS had completed a survey which included a section titled "What Are Your Needs?" Members were asked to rank several choices. The top five responses were: 1.) easy to moderate field trips, 2) meetings about plants, 3) workshops on special subjects, 4) meetings to improve local plant communities and 5) plant sales/exchanges.

The next subject surveyed was "How can you contribute?" This is the question that I had in mind for this issue of the NPSO Bulletin. The top five answers to the WNPS survey were: 1) contribute to WNPS by purchasing items such as books, t-shirts, etc., 2) contributing labor for example habitat restoration or participating in plant inventory projects, 3) helping at special events, 4) donating to a special memorial fund and 5) leading a field trip. The ranking for leading a field trip was low, but an even lower rank was given to the "dreaded contribution of serving as a chapter officer or board member."

I believe the NPSO can provide a wide range of opportunities for members to make a difference in how the state of Oregon looks on its heritage of native plants. Oregon ranks third or fourth in abundance of native plants in comparison with the other 49 states. It should be the responsibility of all of us to acquaint all Oregonians with this fact. If all were aware of their heritage, they would take pride in it and do more to protect and publicize it.

We would also generate more recognition of our heritage if we did more to promote the use of native plants in our gardens. We have some extremely beautiful plants that would suit almost any garden situation, as has been pointed out by Dr. Kruckeberg in his book, "Gardening With Natives." The Washington Native Plant Society has such a program and we could use it as a model.

There are many ways in which individuals can contribute to NPSO. There are probably as many ways as there are members. We need people who can generate new members; we need people who can provide publicity for the goals that we have as a society; we need people who have an interest in education of the younger generation and can promote science fairs where high school students

could produce demonstrations of projects or report on studies they have conducted on native plants. We could also use fund raisers if we want to expand some of our activities in conservation areas where we would need to hire qualified people to carry out our programs (similar to some of the programs being undertaken by the California Native Plant Society).

These are only a few of the many ways that you might contribute to NPSO. I will not add to the list, as I am sure that each individual can come up with an activity of special interest to him/herself. I have one more contribution that we should take seriously, and that is serving as an officer or board member. Veva Stansell is currently chair of the nominating committee for next year's state officers and I hope you will think about how you could make a difference in the operation and effectiveness of NPSO if she contacts you about serving in one of these offices.

Michael Fahey
President, NPSO

Graphics Now Available For Computer Plant Keys

Those who already have the computer plant keys, may be interested to know that graphics are now available to supplement the definitions of terms in the help screens. Upgrades for current users are \$30, including shipping. The computer plant keys are available for Oregon, Washington, southern British Columbia, Idaho, Montana and Wyoming, for either DOS or Windows. A Mac version is now in final testing.

For information, contact Bruce Barnes, Flora ID Northwest, 135 SE 1st, Pendleton, OR 97801. Telephone: 541-278-2222 (Office), or 541-276-5547 (Home). FAX: 541-276-8405. E-mail: flora@ucinet.com, or <http://pullman.com/Business/xid/fidnw.html>.

Bruce Barnes
Blue Mountain Chapter

Book Review

Flora of North America, Volume 3, by FNA Editorial Committee, Nancy R. Morin, Convening Editor, Oxford University Press, New York, 1997. 8 1/2" X 11" format, hard cover, \$75.00. ISBN # 0-19-511246-66 (v. 3), 590 pages, maps, drawings. Order from: Oxford University Press, 200 Madison Avenue, N.Y., N.Y. 10016.

Volume 3 of *Flora of North America* came out in late June. The first two volumes of this comprehensive work appeared in 1993 and were reviewed in the NPSO Bulletin in January and May of 1994. FNA is now projected to fill 30 volumes, and it is predicted that these will appear at the rate of approximately two per year. At present, the project costs a million dollars a year, and is a giant collaboration of 30 institutions and hundreds of botanists in the U.S. and Canada. It is centered at the Missouri Botanical Garden. The book includes keys, detailed descriptions and maps for all known species of vascular plants and bryophytes growing in North America north of Mexico. Many, but not all species are illustrated.

Volume 3 covers 32 dicot families, 129 genera, and 741 species from the Magnoliaceae through the Casuarinaceae. These are angiosperm families considered "primitive" by Arthur Cronquist and other evolutionary botanists. Families of interest to us in the Pacific Northwest include: Lauraceae, Aristolochiaceae, Nymphaeaceae, Ranunculaceae, Berberidaceae, Papaveraceae, Fumariaceae, Urticaceae, Myricaceae, Fagaceae and Betulaceae. Treatments include keys to all known species north of Mexico, species descriptions, range maps for every species, and illustrations of many species. It is interesting to note that the editors of FNA have not submerged the Fumariaceae within the Papaveraceae, as was done by the editors of *The Jepson Manual*.

For those of you who are on-line, FNA project leaders have made their database available on the web. Data contained in the printed volumes, additional supporting data, authority files, more precise maps and other useful information are available on-line at <http://www.fna.org>. (You will need a good deal of available memory to pull up all the graphics.)

At present, folks throughout Oregon and elsewhere, led by botanists at Oregon State University, are at work on our new Flora of Oregon. To me, this makes a related and on-going project

such as Flora of North America doubly exciting. We in Oregon can feel part of a comprehensive effort to understand the botanical diversity of our continent and our region. We can coordinate our work with that of the many botanists providing new treatments for FNA. I am personally thrilled to see this giant effort coming to pass. Historically, it is the great project dreamed of in the nineteenth century by Asa Gray finally coming to fruition in our lifetime. Join me in congratulating the folks at the Missouri Botanical Garden on this very important work.

Rhoda Love
Emerald Chapter

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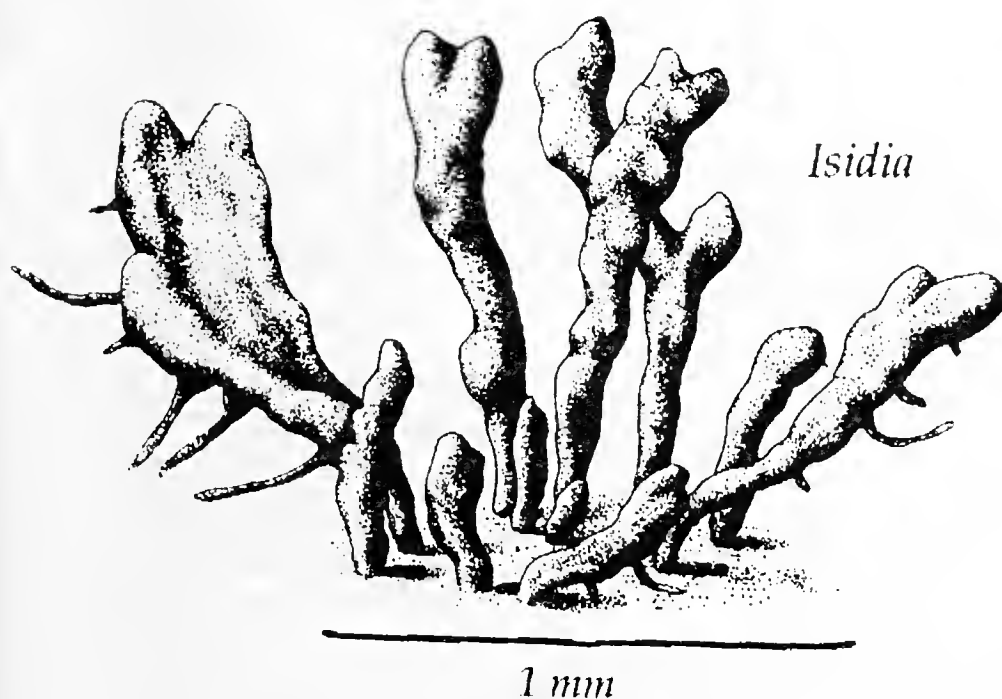
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Book Review

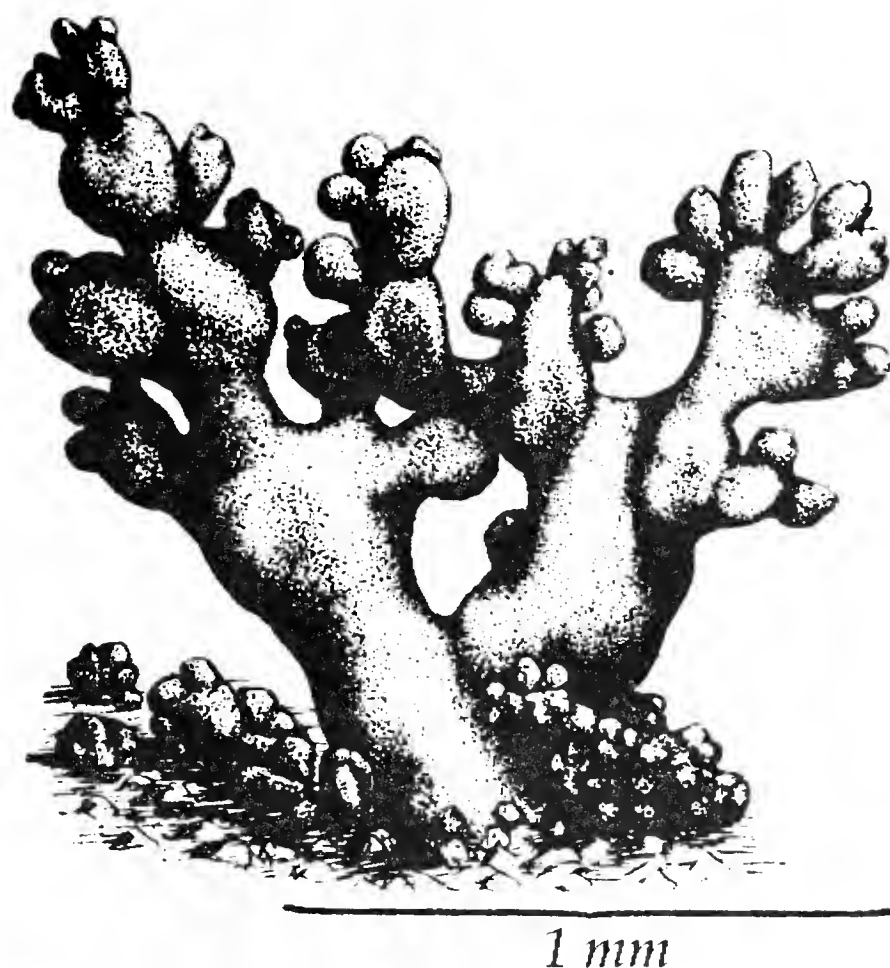
Macrolichens of the Pacific Northwest by Bruce McCune and Linda Geiser. Oregon State University Press, Corvallis, 1997. Photographs by Sylvia and Stephen Sharnoff. Drawings by Alexander Mikulin. "A co-publication with the U.S.D.A. Forest Service." ISBN 0-87071-394-9. Paperback, \$25.95.

High Points: An identification manual with up-to-date, authoritative taxonomy and nomenclature. Complete regional coverage includes parenthetical reference to adjacent regions. Practical, carefully written, indented keys. Sensible choice of species for detailed descriptions from west side perspective. Absolutely first-rate color photos, more than 200 of them, are the hidden gems of this book. Excellent drawings with scale bars. Clearly written descriptions which are well referenced. Notes emphasize diagnostic characters distinguishing subject from look-alikes, much appreciated by all. English ("common") names provided for genera (if not for species). Illustrated glossary is terse, beautiful and useful. Index is focused on names only, making it easy to find species. Good binding: easy to use and carry around, easy to shelve, easy to find again on the shelf.



Cautions: Not really for beginners: the introduction is sparse and lacks illustrations (but see glossary). Less useful for east side botanists (but see *Macrolichens of the Northern Rocky Mountains*

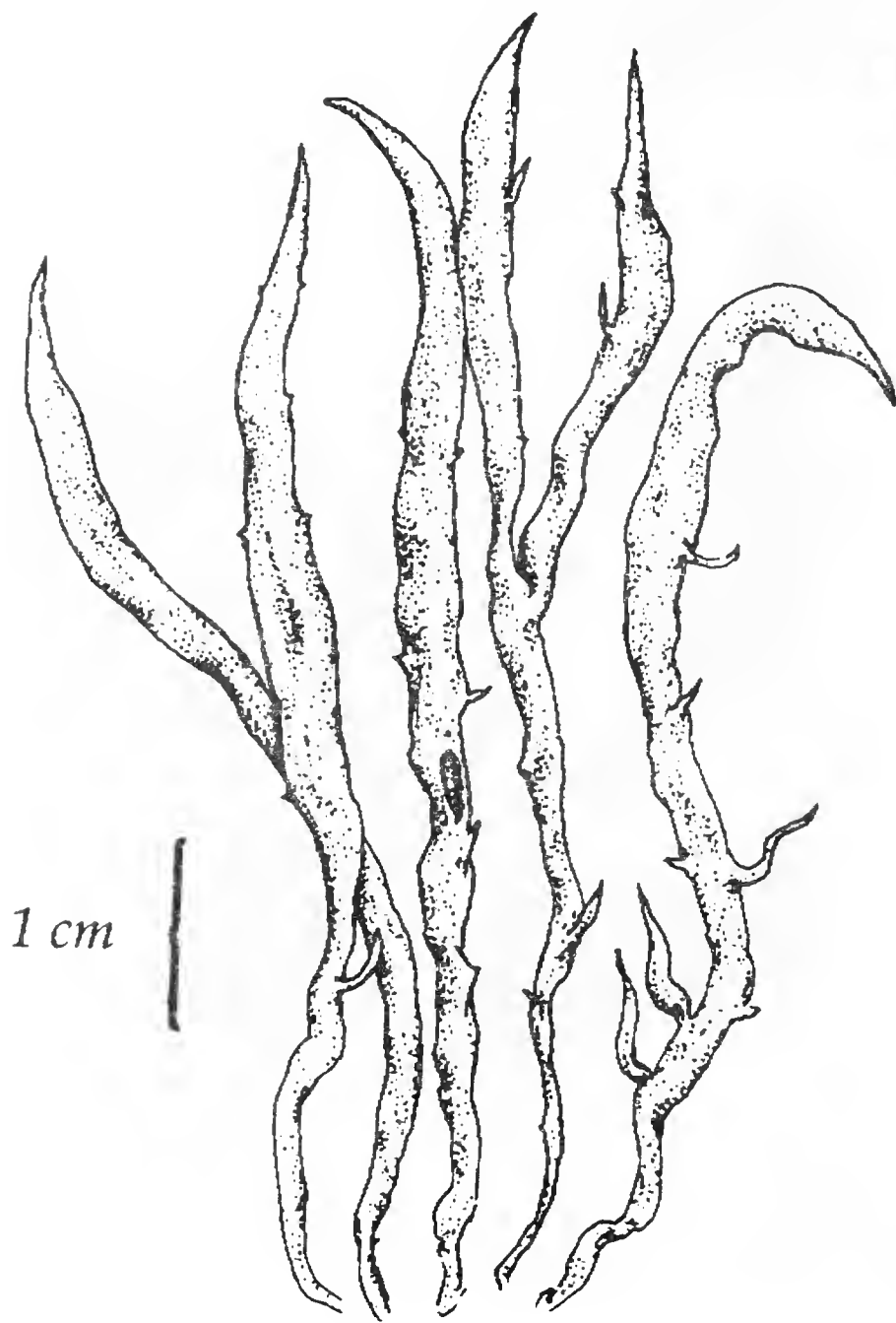
by McCune and Goward, Mad River Press, 1995) Strange and awkward use of photobiont type as major discriminant in initial ("introductory") key can throw off first time users. Lack of scale in photographs will confuse the inexperienced. Abominable four-letter + number acronyms are advocated, much to the dismay of users of more intuitive six-letter acronyms. Instructions for packet folding and label format are not to highest herbarium standards. Index is focused on names only, making it difficult to look up any subject other than species.



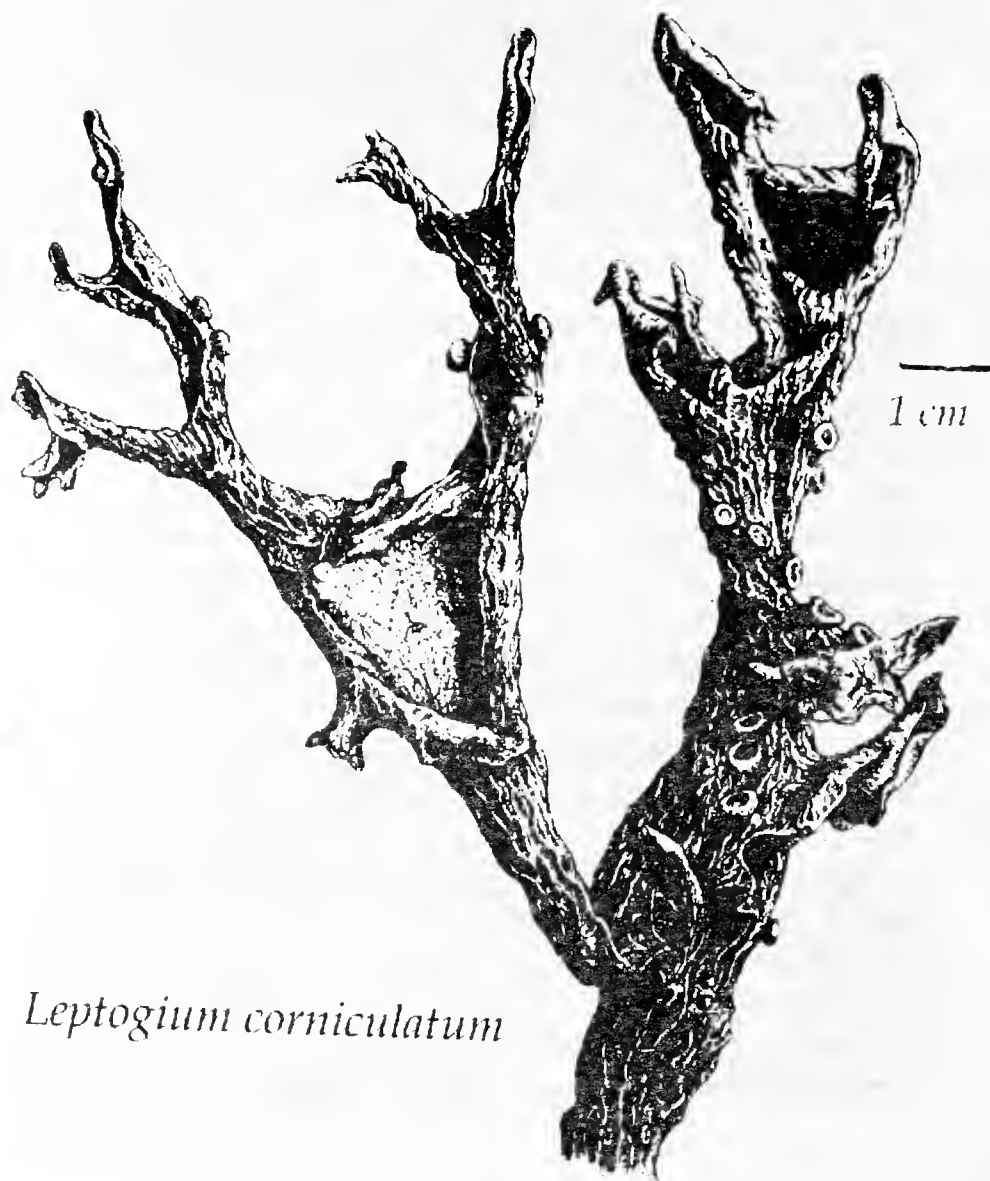
Xanthoria candelaria

Bottom line: If you like a lichen, GET THIS BOOK! This is the most significant publication on Pacific Northwest cryptogams in a quarter of a century, since Elva Lawton's book on mosses was published in 1971. The authors' experience with training students and field personnel shows

through in the clarity of the text and tight editing. The Sharnoffs' photographs alone make the book worth twice its price. Mikulin's drawing skill achieves elegance in this work.



Thamnolia subuliformis



Leptogium corniculatum

Ordering: OSU Press, 101 Waldo Hall, Oregon State University, Corvallis, OR 97331-6407. Add \$2.50 for shipping. Visa and Master Card orders accepted: 541-737-3166.

David H. Wagner
Emerald Chapter



Member
*Environmental
Federation
of Oregon*

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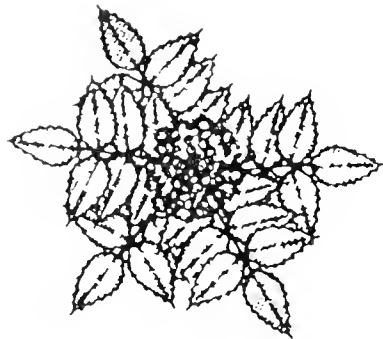
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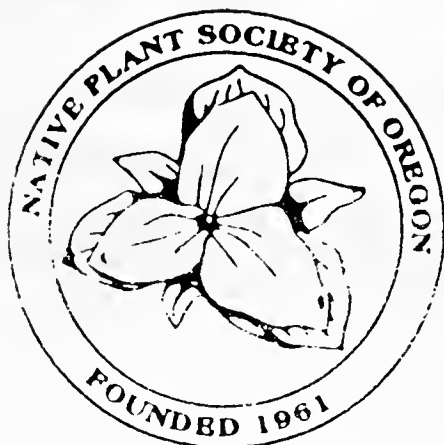
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NATIVE PLANT SOCIETY OF OREGON
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Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 10

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OCTOBER 1997

ISSN 0884-599

OCT 17 1997

NEW YORK
BOTANICAL GARDEN

State News

State Board Meeting: 10 A.M. - 4 P.M. On a Saturday in January. Place and date to be determined

Chapter News

Blue Mountain

- Oct. 6, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Kathy Cheap will explain the project we will be working on at the UNWR (see below). We will also plan future meetings. Bring slides from your latest excursions.
- Oct. 18, Sat. **Work Party:** Plant native grasses, forbs and shrubs at the new Kenny Pond Visitor Area at the Umatilla National Wildlife Refuge. The Blue Mountain Chapter is a co-sponsor of the project which will restore a wetland and rehabilitate the surrounding shrub steppe plant community. Bring lunch, gloves and any favorite planting tools (refuge will supply water and basic shovels and rakes). Meet: NE corner, Pendleton Safeway parking lot, 8 A.M., or, the McCormack Unit Visitor Contact Station, Patterson Ferry Rd., Irrigon, 9 A.M. For information, contact Kathy Cheap, 541-922-4661 or 922-3276. Call Jerry Baker at 566-2244 to RSVP.

Corvallis

- Oct. 4, Sat. **Field Trip:** Day long visit to the sand dunes at Sutton Creek, north of Florence, led by Don Zobel. We will be looking at the results of dune processes, and the effect of European beach grass on native vegetation patterns. We will also look for *Lycopodium inundatum*, sundews and flowering orchids. It may be wet, so bring boots or second pair of shoes. One shallow river to cross. One mi. R.T., flat, easy walking. Meet: OSU parking lot, southwest of campus Beanery, 26th and Monroe, 9 A.M. **Group limit:** RSVP Carolyn at 752-7132.
- Oct. 11, Sat. **Workshop:** "Seed planting and hardwood cuttings workshop." 3 - 5 P.M. Contact Loren Russell, 752-7558, for more information.

- Oct. 13, Mon. **Meeting:** 7:30 P.M. Room 2087 Cordley Hall, OSU campus. "We live in lichen heaven," a slide show by Dr. Bruce McCune.
- Oct. 25, Sat. **Field Trip:** Foray to the central-western Cascades for mushrooms and truffles. We will contribute to the Mt. Pisgah Mushroom Show and keep our eyes out for "FEMAT" listed species. Meet: 9 A.M., Arco station, west side of I-5, Corvallis (Hwy. 34) exit. Light to moderate, short hikes. Return to I-5 about 4 P.M. Emerald Chapter members may meet at S. Eugene H.S. (19th and Patterson) at 8 A.M., or at the Corvallis meeting place. Contact trip leader Dan Luoma, 541-752-8860, for more information.

Emerald

- Oct. 27, Mon. **Meeting:** 7:30 P.M. Room 110 Science Building, main campus, Lane Community College, Eugene. Directions: From 30th Ave., turn south on Eldon-Schafer Drive, go past Oak Hill School and park in LCC's south parking lot, east end. Walk downstairs to Science Building. Entrance to room 110 is on east side of the building. Dr. Barbara Wilson, of the Carex Working Group at OSU, returns to tell us "More Than You Ever Wanted to Know About Oregon Fescues."
- Nov. ?? **Field Trip:** Marcia Peeters will take us mushroom hunting on some Sat. or Sun. in Nov. Details will appear in the next Bulletin.
- Nov. 24, Mon. **Meeting:** 7:30 P.M. Room 110 Science Building, main campus, LCC, Eugene. (See above, for directions.) Howie Brounstein, free-lance botany teacher and herbalist, who has visited Chile twice to study its botany and ecology, will speak on "The vegetation of Chile: parallels with the Northwest flora."
- Dec. 8, Mon. **Meeting:** 7:30 P.M. Come for our annual holiday party. Bring a dozen of your favorite slides, if you wish, and a finger-food snack, if convenient. Your chapter will provide punch and holiday decorations. See you there! (See Oct. mtng. for directions)

High Desert

- Oct. 28, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. This is the member slide show. Bring ten of your favorite, recent slides to share.

Klamath Basin

- Oct. 15, Wed. **Meeting:** 7 P.M. Room 218 Owens Hall, OIT campus. Wedge Watkins and Lou Whiteaker, BLM Klamath Falls Resource Area, will give a presentation on the Wood River Wetland Project. Refreshments will be served. For more information, call Susan Erwin, 885-8360.

Mid-Columbia

- Oct. 1, Wed. **Meeting:** 7:30 P.M. Mosier School. Dave Shaw of the Gifford Pinchot National Forest will tell us about the canopy crane project in which biologists look at what goes on in the top story of an old-growth forest.
- Nov. 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Lynn Cornelius of The Nature Conservancy of Washington will give us a presentation on the new oak woodland preserves in southern Washington.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

- Oct. 5, Sun. **Field Trip:** Mt. St. Helens. See some of the finest noble fir anywhere (5 to 6' diam.) on the Blue Lake Trail, with trip leader Mary Vogel. There will be discussion of ancient forest ecology and native plant uses. One and a half hour drive to trailhead. Meet: 8 A.M., 99th and Glisan Park & Ride, southeast corner of parking lot. For more information, call Greg Stone, 652-1531, or Mary Vogel, 452-3979.
- Oct. 12, Sun. **Field Trip:** Columbia Shores. We will join trip leader Russ Jolley on a trip up the Gorge to St. Cloud and Beacon Rock to explore the many fall flowers on the Columbia River shoreline. Meet: 9 A.M., 99th and Glisan Park & Ride, southeast corner of the parking lot. For more information, call Greg Stone, 652-1531, or Russ Jolley, 286-2350.
- Oct. 14, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Barbara Robinson of the Mosier Chapter will tell us about "Grazing effects on balsamroot and a ten-year study of balsamroot restoration attempts at the Tom McCall Preserve."
- Nov. 11, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Shane Latimer, Portland Chapter president, will give us "A trip to Ireland ..."

Siskiyou

- Oct. 3 - 5
Fri. - Sun. **Field Trip:** Dr. David Wagner will lead a free workshop on bryophytes for NPSO members up at Lake-of-the-Woods in the Winema National Forest. This should be a great opportunity to get out and enjoy the mountains and learn about our region's mosses from an expert. Mushrooming should be good too. Join us for a weekend or a day. Housing and camping will be available at the Lake-of-the-Woods work center. Call Jennifer Beigel for more information at 592-4459 (w), or 592-2831 (h).
- Oct. 16, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, SOU, Ashland. Russell Huddleston, a plant ecology student at SOU, will give a presentation on "Vernal Pools: ephemeral wetlands provide habitat oases for native plants on the Agate Desert."

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

- Oct. 9, Thurs. **Meeting:** 7 P.M. Room 3110 Douglas County Courthouse, Roseburg. Bring fungi for discussion and identification. Mycologist Jack Hausotter will preside.
- Oct. 11, Sat. **Field Trip:** Fungi is (or are) the subject(s). Meet: 8 A.M., BLM parking lot, 777 Garden Valley Blvd, just off exit 125 of I-5.
- Nov. 13, Thurs. **Meeting:** 7 P.M. Room 3110 Douglas County Courthouse, Roseburg. Lichens this time.

- Nov. 15, Sat. **Field Trip:** And into the field for lichens. Meet: 8 A.M., BLM parking lot, 777 Garden Valley Blvd., Roseburg, just off exit 125 of I-5.
- Dec. 11, Thurs. **Meeting:** 6 P.M. Annual Christmas potluck, HillCrest Vineyard. Bring slides, photos and experiences. Directions: From Roseburg, proceed west on Garden Valley Rd., Melrose Rd. to Melrose, passing its store, church and fire station, up the hill, then west on Doerner Rd., and north on Elgarose Rd. to Vineyard Lane. For information, call Richard Sommer, 673-3709.

Willamette Valley

- Oct. 20, Mon. **Meeting:** 7 P.M. Room 225, United Methodist Church, 600 State St. NE, Salem. Julie Thiel will present -- a surprise! Come and find out what it is!

William Cusick

- Oct. 15, Wed. **Meeting:** 7 P.M. Forest and Range Laboratory, C Ave. & Gekeler Lane, La Grande. Business, 7-8, dessert/potluck, program, 8-9. All members are invited to share their summer native plant experiences as part of the program. Bring stories, slides, or whatever you'd like to share. We would like to hear about it. Please call Barbara at (new home number) 962-7749 if you would like to share, so we can plan the program. No pressure, though, it will be fun and informal. And remember your dessert! Drinks provided.
- Oct. 18, Sat. **Field Trip:** Dick Kenton and Sandy Roth's Plantworks Native Nursery, 1801 U Ave., La Grande, 9 A.M. Lasts a couple of hours. We will tour the nursery and discuss native plant propagation. Bring your experiences and questions to share.

Officers: Election of officers will take place in January, 1998. Barbara is not planning on running for office, so a new president will be needed. Please consider how you may want to contribute to the ongoing vitality of our chapter. Thanks!

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

Bulletin of the Native Plant Society of Oregon; John Robotham, Editor; 117 NW Trinity Pl. #28, Portland, OR 97209. Published monthly. Subscription price \$18/year. ISSN 0884-599. Date and issue number on page 1.

Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

President's Message

In August and September I asked what members want from NPSO and what they could contribute to NPSO. This month, I want to discuss the future of NPSO.

When was the last time anyone revisited the mission of NPSO to see if it needed to be modified in response to changes that take place over time? How long has it been since we identified core values of NPSO and developed a list of critical concerns or issues that we should be addressing? Do we have a vision of what NPSO should be at some specific date in the future?

I believe it would be appropriate to appoint a committee to review our mission, develop a vision, identify core values and put together a list of critical issues of concern to NPSO. This would be a basis for producing a long-term plan and goals for NPSO. I believe we should do this because the problems we face change as time goes on and it is necessary to re-evaluate our program to be certain that what we are doing is the best way to meet the needs of today's problems.

I plan to propose the establishment of a committee to plan the future for NPSO at the Board meeting in Bend on September 27, 1997. If the Board agrees, I will report on the formation of this committee in the next issue of the Bulletin and ask members who have ideas about the future of NPSO to contact this committee.

I was prompted to propose this committee, in part, because the Washington Native Plant Society is undertaking a program to produce a plan for their future. A progress report in their summer bulletin indicated that they were able to establish useful goals and focus attention on current problems. Planning for the future seems to be a way to revitalize NPSO and make the organization more attractive to a broader group of members. If we can generate an interesting and exciting program, we should find more members interested in participation.

Michael Fahey
President, NPSO

NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541) 389-6981. Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

NPSO Membership Directory lists names, addresses and phone numbers of members (April, 1997). Available from Jan Dobak, 2584 Savier St., Portland, OR 97210-2412. \$2 each.



Member
*Environmental
Federation
of Oregon*

In Appreciation of NPSO Funding

My name is Ellen Schneider, and this summer I had the opportunity to work with the Bureau of Land Management (BLM), as a botany field assistant. I was able to do this through the RAPS program, which stands for Resource Apprenticeship Program for Students. Funding was provided through RAPS and the Training and Employment Consortium of Baker City. The Native Plant Society of Oregon provided funding for the final week and I really appreciate that.

Throughout this seven week program, I mainly worked with botanist Barbara Russell conducting a rare plant survey. We surveyed for *Haplopappus radiatus*, commonly known as the Snake River goldenweed. It is part of the sunflower family and only found within a twenty-five mile radius of Huntington.

Every day seemed to be an adventure. It could start pouring, soaking you to the bone or sticking you in the office all day, or it might be extremely hot and we'd be working all day. We would usually leave the office between 8 and 9 A.M., drive for an hour or more to our desired location, hike for about five hours counting plants, and take a half hour lunch break. Where we went depended on weather conditions, but by the end of the day one is extremely tired out.

I've learned an incredible amount of plants, especially the different kinds of grasses. I've also learned a lot about using topographic maps, as well as some general survival tips. As a rule it was just Barbara and me up in the hills, and we usually split up, so it is very important to orient oneself. Remembering where the car is parked, where one has gone and is going, and how to get back are essential. Otherwise, one ends up disoriented and lost. I speak from experience. It is a very scary feeling to be all alone in the middle of endless hills which all look the same. I thought we were parked somewhere else and adjusted my map to fit, I ran out of water in the heat, lost contact on the radio, and was about to give up in frustration when I saw a familiar landmark and made my way back to the truck, physically, mentally and emotionally drained.

There are many obstacles to overcome, including snakes, heat, rain, roads, steep hills, and many others. But every day I learned something new

and it was always interesting.

One week when Barbara was gone, I had the opportunity to work in several different fields of work, including wildlife and archeology. I also had the opportunity to work at the interpretive center.

I think this was a really good program. I got a grasp of several work fields, learned a lot and got some exercise while doing so. RAPS will be helpful in the future. I received job experience I otherwise would not have and I learned some about punctuality and responsibility. Thanks again for providing me with the funding to work another week.

NOTE FROM BARBARA RUSSELL: I greatly appreciate this funding which was so readily available from NPSO. Ellen was a pleasure to work with. She was interested, enthusiastic, curious and capable.

The Resource Apprenticeship Program for students is a program implemented through the BLM and the U.S. Forest Service that introduces youth to resource management careers, provides a bridge from school to the workplace, and encourages students to stay in school and pursue higher education. RAPS invites other schools, organizations and agencies to assist them in serving Oregon and Washington youth. My experience with the program is that it is very well run, provides an excellent opportunity for youth and much needed help to agencies. Anyone interested in participating in any way can contact:

Shannah Anderson
BLM State Office
RAPS Coordinator
1515 SW 5th
P.O. Box 2965
Portland, OR 97208
(503) 952-6343

Book Review

Women in the Field; America's Pioneering Women Naturalists by Marcia Myers Bonta.
Texas A & M University Press, 1991.

As botanists, we all love to be in the field. Bonta's book celebrates that delight as she recounts the histories of 25 North American field biologists who have contributed to their disciplines with exceptional field work and life long devotion to explorations of the natural history of a variety of organisms.

The book is organized chronologically and by field disciplines. The opening section, titled "The Pioneers," highlights the lives of Jane Colden, a Colonial botanist (1724-1766) and Maria Martin, a naturalist of the middle of the nineteenth century. The subsequent five sections are arranged by disciplines and include "The Naturalists," "The Botanists," "The Entomologists," "The Ornithologists" and "The Ecologists." This last section ends with Rachel Carson, however, all the other women profiled in this book are less familiar to the general public. The botanists include Kate Furbish, Kate Brandegee, Alice Eastwood, Ynes Mexia, Mary Sophie Young, Elizabeth Gertrude Knight Britton and Agnes Chase.

Bonta describes her motivation for assembling this book in her preface. She enjoyed reading about naturalists and found an abundance of literature by and about Muir, Thoreau, Burroughs and other male nature writers, but were there any females? Could she turn to the words of women naturalists to to enrich her own love of nature? It was very difficult to find information about women field biologists because neither the women nor their friends and colleagues had thought that information about them was important enough to save. This collection of biographies allows us to learn about the women who were active at the same time as, and often contemporary with, their more famous male colleagues. Bonta uses quotes from all these women, but her "Selected Bibliography" steers interested readers to the original works so that we may all enjoy their words first hand.

I had the opportunity to read this book in July while on a trip to the East Coast. One of our destinations was Maine and one of the botanists profiled is Kate Furbish (1834-1931) from Maine. I happened to ask my Maine friends if they had heard of Kate Furbish. This led to a wonderful se-

ries of encounters that ended up in the special collections section of the library at Bowdoin College in Brunswick, Maine. There I was able to view Furbish's original botanical illustrations of her *Flora of Maine*. These fabulous illustrations with exceptional botanical detail and Furbish's accompanying notations were quite a treat for this botanist to behold.

This book is more than a collection of biographies. It is informative about both the history of nature study and a source for the recognition of the tremendous contributions of each of these individuals. It also affirms that our botanical predecessors shared the same excitement about, and devotion to, field biology and discovery that we feel today.

I would like to thank Roy and Lisa Miller and Edith Allard of Somerville, Maine and Susan Ravdin, Assistant Curator of Special Collections, Bowdoin College, Brunswick, Maine, for being part of my Kate Furbish adventure.

Gail Baker
Emerald Chapter

THANKS SUNSET!

You just never know where something is going to end up. This last spring when Barbara Ullian wrote about the proposed mining in the Rough and Ready Botanical Area, Jim McCausland read her article in the NPSO Bulletin. Jim lives in Seattle but he was interested in what was happening in southwestern Oregon. He knows it just doesn't make sense that the 1872 mining law is still in effect and that we allow mining to occur in spectacular botanical areas. Jim featured this dilemma in the "Windows on the West" feature of the September issue of Sunset Magazine. If you haven't seen it, get hold of a copy and check the last page. Thanks Jim, for increasing awareness of this antiquated law and its effects.

Barbara Mumblo
Siskiyou Chapter

Book Review

Intermountain Flora. Vascular Plants of the Intermountain West, U.S.A. Volume 3, Part A. Subclass Rosidae (except Fabales). By A. Cronquist, N.H. Holmgren, and P.K. Holmgren. 1997, New York Botanical Garden, Bronx, New York. ISBN 0-89327-374-0. Hardcover: 422 Pages, 189 Plates. \$75.00.

The sixth and latest installment of the *Intermountain Flora* series was published in May. Volume 3A is authored by Arthur Cronquist (who completed many of the family treatments before his death in 1992), Noel Holmgren and Patricia Holmgren of the New York Botanical Garden. This major regional Flora, when completed, will provide descriptions, identification keys, and illustrations of all vascular plants in the Intermountain region of the western United States. This vast area covers the Great Basin and is bounded by the Rocky Mountains to the east and the Sierra Nevada to the west. The geographic coverage encompasses all of Utah, most of Nevada (excluding the southern tip), and adjacent parts of California, Arizona, Wyoming, Idaho and Oregon. For Oregon, this includes most of Harney and Malheur counties, eastern Lake, the "panhandle" of Deschutes, and a small area of Crook. The northwestern boundary follows "in general the eastern limits of the forested land that stretches out from the main Cascade Range." Thus the Intermountain Flora is an essential resource for botanists and plant enthusiasts interested in the flora of the southeastern quarter of this state.

Volume 3A provides treatments of 40 families of the subclass Rosidae including some of the largest families found in the region such as Rosaceae and Apiaceae (Umbelliferae), represented by 28 and 29 genera, respectively. Other families well-represented in the Flora include Saxifragaceae, Hydrangeaceae, Onagraceae, Euphorbiaceae and Geraniaceae. Volume 3A continues the high standards set in previous volumes. The taxonomic descriptions are clear and accurate, and are supplemented by notes on distribution, ecology, unresolved taxonomic problems, etc. Every species is illustrated by a line drawing, generally one half size for the plant habit, with magnifications of flowers, fruits and/or foliage providing sufficient detail for accurate identification. It is appropriate that Volume 3A is dedicated to the illustrators, especially Jeanne Janish, Bobbi Angell and Robin Jess, "whose skillful drawings give vivid life to the text." Volume 1 of the Intermountain Flora ap-

peared in 1972, and the present volume 25 years later, for an average of one volume every four to five years. Two additional volumes (2A and 2B) are planned, covering the subclasses Magnoliidae, Hamamelidae, Caryophyllidae and Dilleniidae. Volume 3A is an important addition to the floristic bookshelf of Oregon botanists, and represents a significant step toward the completion of this valuable Flora.

Aaron Liston
Corvallis Chapter

Mount Pisgah Arboretum Mushroom Festival and Plant Sale

Mount Pisgah Arboretum's 16th Annual Fall Festival and Mushroom Show will be held on Sunday, October 26, 1997 from 10 A.M. to 4 P.M. at the Arboretum. Hundreds of mushrooms will be displayed. Community members are welcome to bring in any mushrooms for identification by experts. There will also be demonstrations on mushroom cultivation and there will be mushrooms for sale. Members will also offer choice plants from their gardens for sale. And commercial vendors will offer native plants and other unusual perennials and shrubs for sale.

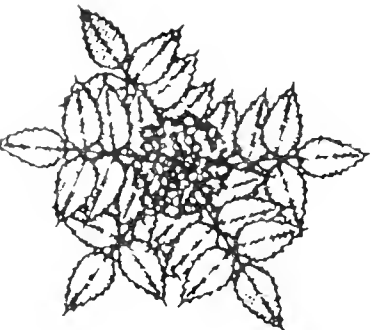
There will be a variety of activities for children and adults. Featured again this year is the Scarecrow Contest, with prizes awarded for originality and humor. Individuals, families, businesses, teams, groups and organizations are welcome to enter and should call the Arboretum office to obtain an entry form. An expanded children's booth will offer arts and crafts, science and nature exhibits, a "Touch Table," and educational games and entertainment. Expert trail guides will offer guided walks of the Arboretum to allow visitors to learn more about its flora and fauna. As always, visitors should be prepared to enjoy our hot and delicious food items including home baked goods and fresh pressed cider. Live music will be featured throughout the day.

Mount Pisgah Arboretum is located off Seavey Loop Road in the Buford Recreation area of Eugene. Follow signs from the I-5 overpass beyond Lane Community College on 30th Avenue. Free and continuous shuttles will run from the Mobius parking lot, Franklin Boulevard and Seavey Loop Road. Suggested donations are \$2 per person or \$5 per family. Call 747-3817 for more information.

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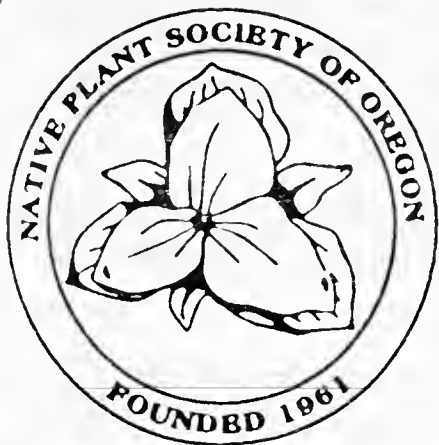
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NATIVE PLANT SOCIETY OF OREGON
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Dedicated to the enjoyment, conservation, and study
LIBRARY of Oregon's native vegetation

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BOTANICAL GARDEN

State News

Jan. 31, Sat.. **State Board Meeting:** 10 A.M. - 4 P.M. Clark Public Utilities Building, 1200 Fort Vancouver Way, Vancouver, Washington. Directions: About one mi. from I-5 bridge between Vancouver and Portland. Take Mill Plain exit off I-5, go east one block on Mill Plain, turn right on Fort Vancouver Way to building entrance. Public meeting room is at south end of building. **See map on page 122.**

Chapter News

Blue Mountain

Nov. 3, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Janet Ebaugh will give a presentation on plant exploring in western China, from her own experiences tracing the footsteps of an explorer.

Dec. 1, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Bruce Barnes will demonstrate the latest version of the computer plant keys.

Corvallis

Nov. 10, Mon. **Meeting:** 7:30 P.M. Room 2087, Cordley Hall, OSU campus. Eric T. Peterson will present "Common Cup Fungi and Allies of the Willamette Valley."

Emerald

Nov. 8, Sat. **Field Trip:** Mushroom foray with Marcia Peeters. Join us for a day of visiting the secret kingdom of the fungi at the coast. Meet: S. Eugene H.S. parking lot, 8:30 A.M. Bring lunch, rain gear (including boots) and a hand lens if you have one. We'll follow up the trip with a mushroom dinner at Bruce and Peg's, details to be decided on the day of the foray. For more information, call Bruce, 343-2364.

Nov. 24, Mon. **Meeting:** 7:30 P.M. Room 110, Science Building, main campus, Lane Community College, Eugene. Howie Brounsteiin, free-lance botany teacher and herbalist, who has visited Chile twice to study its botany and ecology, will speak on "The vegetation of

Chile; parallels with the Northwest flora. Directions: From 30th Ave., turn south on Eldon-Schafer Drive. Go past Oak Hill School and park in LCC's south parking lot, east end. Walk downstairs to Science Building. Entrance to room 110 on east side of bldg.

To learn more about this month's speaker, visit Howie's web page. Access it from our NPSO web page (address on back of this Bulletin) and click on the link that takes you to Books, Links and Reviews.

- Dec. 6, Sat. **Field Trip:** Lichens with Linda. Join us for a day of learning about lichens at the William L. Finley National Wildlife Refuge. Led by Linda Geiser of the Siuslaw National Forest. Meet: 9 A.M., S. Eugene H.S. parking lot. Bring lunch, a hand lens if you have one, and appropriate dress for the weather. Bring Binoculars if you want to stay into the afternoon and go birding with Peg and Bruce. For more information, call Bruce at 343-2364.
- Dec. 8, Mon. **Meeting:** 7:30 P.M. Room 110, Science Building, main campus, Lane Community College, Eugene. See above for directions. Come for our annual holiday party. Bring a dozen of your favorite slides if you wish, and a finger-food snack to share, if convenient. Your chapter will provide punch and decorations. See you there! **NOTE CHANGE FROM 4TH TO 2ND MONDAY.**
- Jan. 26, Mon. **Meeting:** 7:30 P.M. Room 109, main campus, L.C.C., Eugene. Free-lance nature writer Christine Colasurdo of San Francisco will give a slide-illustrated talk titled "Sprouting in the Shadow of the Volcano: The Flora of Mt. St. Helens." Christine, who wrote the biography of Erna Gunther for the NW Plant Hunters book, will also read from her new book, "Return to Spirit Lake: Journey Through a Lost Landscape," which is published by Sasquatch Books of Seattle. See Nov. mtng. for directions. Entrance to room 109 is on the south side of the building.

High Desert

Meeting: There will be no meeting in November or December.

Klamath Basin

- Nov. 11, Tues. **Meeting:** 7-9 P.M. Room 202 at OIT. The guest speaker will be Lucille Housley of the BLM. She will give a presentation on the flora of Chile. Refreshments will be served. For more information call Susan at 885-8360. **Note: Starting in November, monthly meetings will be held on the second tuesday of each month.**

Mid-Columbia

- Nov. 5, Wed. **Meeting:** 7:30 P.M. Mosier School. Lynn Cornelius, Judy Miles and Sue Kusch-Tepper of The Nature Conservancy of Washington, will give us a presentation on the Nature Conservancy preserves in Washington, with emphasis the new oak woodland preserves in our area.
- Dec. 3, Wed. **Meeting:** 7:30 P.M. Mosier School. Bonnie Brunkow of the Leach Botanical Garden will give us a slide show on the flowers of Turkey and Mt. Olympus.

North Coast

For information on the North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

- Nov. 11, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Shane Latimer, Portland Chapter president, will give us "A trip to Ireland ... "
- Dec. 9, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Members' night. Bring 10 - 15 of your favorite slides (or other botanical wonders) to amaze the group.

Siskiyou

- Nov. 20, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, Southern Oregon University. Karl Tuck will speak about the plans for the enhancement of the natural area of North Mountain Park in Ashland. These plans include an interpretive trail which will include native plants.

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

- Nov. 13, Thurs. **Meeting:** 7 P.M. Room 3110, Douglas County Courthouse, Roseburg. Our guest, Dr. Daphne Stone of Eugene, will do the program on lichens, her specialty. So bring some for elucidation and identification. Call Russ Holmes, 541-440-4931, for information.
- Nov. 15, Sat. **Field Trip:** Discover lichens. Meet: BLM parking lot, 777 Garden Valley Rd., Roseburg, just west of I-5 exit 125, for 8 A.M. departure.
- Dec. 11, Thurs. **Meeting:** Potluck at Hillcrest Vineyard. Share your field trip or other botanical experiences. Bring some photos, slides and revelations. For information, call Richard Sommer, 673-3709.

Willamette Valley

- Nov. 17, Mon. **Meeting:** 7 P.M. Room 225, United Methodist Church, 600 State St. NE, Salem. Dan Luoma will present a program on a subject to be announced.

William Cusick

- Nov. 19, Wed. **Meeting:** 7 P.M. Forest and Range Laboratory, C Ave. & Gekeler Lane, La Grande. Karen Antell, a professor of botany at Eastern Oregon University, will present the program. Watch the Observer for a notice of her subject. The business part of the meeting will be from 7 to 8, with the program starting at 8.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

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Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black and white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock,
or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult editor.

ORIGINALS: Submissions are not returned, unless requested.

President's Message

Last month I indicated that I would appoint a committee to plan the future of NPSO, if the Board agreed. At the September meeting, the Board did agree and this committee was initiated with Mike McKeag accepting the position as chair. Committee members include Heather Laub, Dr. Stuart Garrett, Bruce Rittenhouse, Rhoda Love and Steven Jessup. We have a talented and enthusiastic group on this committee. I look forward to the results it will produce.

I am certain that the committee will welcome any input from members at large. One of the items the committee will be considering will be the critical issues that face NPSO. I hope that all members who have some issue they feel should be addressed will bring it to the attention of one of the committee members.

In my first message as president, I asked what the members wanted from NPSO. I invited a response from the membership. Two members combined to send in one response. These members expressed the desire that NPSO take a more active role in conservation issues. With only one response, I assume that members are generally happy with what NPSO provides. In spite of this, I feel that can and should be doing more. I received a note from Bruce Rittenhouse who indicated that he had not had any response to his request to the chapters that they prioritize rare plants in their areas in preparation for monitoring and inventory of these plants. It is my opinion that the chapters should respond, even if the response indicates that they do not have the people or time to do the work.

I would like to see NPSO enlarge its education program. I suggest each chapter appoint a member to Jerry Igo's education committee to help in the development of a program and a list of teachers and/or speakers to present the program to interested groups. The Nature Conservancy of Washington has a program that could serve as a good model for NPSO's initial efforts.

Another area where NPSO could take the lead would be the development of a state-supported botanical garden to feature the native plants of Oregon. I could go on listing activities which NPSO could consider, however, it is up to the planning committee to develop priorities and recommendations for the issues we should address in the future.

In view of the close proximity of the annual meeting to the normal time of the spring Board meeting, I plan to omit the spring Board meeting. Thus, we will have a Board meeting on January 31, followed by the Board meeting that is held in conjunction with the annual NPSO meeting.

Michael Fahey
President, NPSO

Book Review

The Conservation and Management of Native Plants and Fungi. T.N. Kaye, A. Liston, R.M. Love, D.L. Luoma, R.J. Meinke, and M.V. Wilson, eds. 1997. ISBN 0-9656852-0-9. Paper, U.S. \$25, 296 pages. Native Plant Society of Oregon, 804 Jefferson Ave., La Grande, Oregon 97850.

[This] ... is a delightful compendium of papers organized by the editors into four broad areas: 1) conservation and management of native plants, 2) restoration of native plants and communities, and two sections devoted to the ecology, biogeography and systematics of vascular plants, bryophytes and fungi. The book accurately represents the activities, ideas and efforts of researchers and managers who presented papers at a November, 1995 symposium centered on Oregon's native flora, but its scope is sufficiently broad to be of considerable interest to those contemplating taxonomic studies, designing conservation programs, or seeking information on specific taxa (e.g., the lichen *Peltigera*, ectomycorrhizal diversity, *Eriogon*, and even macrobenthic marine algae). In short, there is something for everyone, both readers focused on specific species biology, and ecologists interested in plant-animal interactions, demography, seed dormancy and seed predation, and habitat management for butterflies. A quick scan of the table of contents will decide its relevance to one's own work. For a bird's eye view, approximately 10%, 24%, 34% and 32% of articles deal primarily with physiology, ecology, systematics, or conservation and management. Although some authors have published significant studies in widely circulated journals, others present data previously available only in unpublished reports of public and private agencies. Thus the book is an excellent guide to published research, as well as a source of new and useful information. The comments below illustrate the book's diversity, describe a few noteworthy studies, and try to draw the reader's attention to aspects that otherwise might be overlooked. Many

papers emphasize the need for more data and suggest avenues for future research.

Sections I and II (20 papers), plus a few papers in section III, focus on conservation and restoration, including "hot topics" such as the potential for genetic swamping of rare plants via hybridization (e.g., Wolf's evening primrose). Topics range from descriptive or experimental studies to comparative theoretical treatments of the matrix projection programs used to track plant demography (Greenlee and Kaye). Several other papers were of particular interest: 1) the paired studies (Wilson et. al., Schultz) that detail the complex interrelationships among plants, the rare Fendler's Blue butterfly, and various eco-political and pragmatic aspects of habitat/species management; and 2) the elegant study in which Jules was able to link habitat fragmentation and demographic patterns in trillium (i.e. by excavating and aging the rhizomes in forest fragments of different sizes. On a more practical note, Youtie and others describe ways in which volunteers aid plant conservation efforts in the area of weed control. In addition, Guerrant highlights the important and pioneering work of the first private U.S. seed bank for rare plants. He does readers an additional service by defining appropriate off-site use of these rare plants in the sometimes controversial arena of reintroduction and augmentation programs.

Most papers in sections III and IV (21 papers total) have a predominant taxonomic or ecological orientation in relation to the Oregon flora, but are as varied as the definitional criteria for a RED list of macrofungi, studies of nickel localization in serpentine hyperaccumulators, and treatments of the biogeography and systematics of *Astragalus* and Northwest coastal lichens. Wilson provides an extensive key and photos of Oregon *Peltigera*, but most other papers lack keys, opting instead for cladograms, descriptive text, or tables (e.g., a notable example likely to be used extensively within the region is B. Wilson's method for differentiating difficult native fescues). In a successful but very different approach, Lyons-Weiler and Tausch employ cladistic methods to help us understand patterns of variability in species diversity. Other useful tidbits include numerous current and historical literature searches (e.g. on hawthorns), Rosentreter's interesting lore about how the lichen "manna" purportedly helped both Alexander's army and the Israelites to avoid starvation, and the excellent appendices on algae and seagrasses, which also underscore the need for more scientific study of under-represented groups. Readers will likely enjoy Silletts's description of

the epiphytic cyanolichens; these occur in forests of varied ages, but persist only in old growth sites as a result of the differing canopy microclimate and more limited vertical dispersal in younger stands. Chambers urges us to remember how important plant distributions, ploidy and alpha taxonomy are as a baseline for investigating such ecological, genetic, and/or evolutionary questions.

In general, the book is an excellent, diverse guide to published research, as well as a source of new and useful information. Some authors have published significant studies in widely circulated journals, but others present data previously available only in unpublished reports of public and private agencies. Thus while one of the strengths of the book is its diversity, a corollary is that its content varies extensively in scientific caliber and style, methodological detail and use of current references, attention to well-edited prose, effective use of statistics (e.g., compare papers by Levine vs. Luoma et. al.), and consistency of figures and tables. For example, the colloquialisms in Ertter's paper (e.g. "boils down to," and plants that "have been causing headaches"), and a few logical slips that reverse the intended meaning, are distracting. However, the important point of her paper is that we should indeed continue to seek better ways of designing protocols for taxa that exhibit clines or "intermediate" patterns of variability. Moreover, while Imper's papers set an excellent precedent for generating effective conservation management tools for species biology, the small figures are somewhat difficult to read. Yet over all the book has remarkably few publication errors, and photos are usually reproduced very well (e.g., SEM photos in Gisler and Meinke. However a more lasting binding process in the future might prevent the loss of pages already evident in my copy.

In summary, Kaye et. al. effectively deliver what is promised in the title and foreword -- a summary of ongoing research, both applied and basic, that is tied to conserving native plant diversity. Thus, although Oregon and Pacific Coast elements receive special attention, scientists and conservation managers in all regions will truly appreciate the breadth of current topics discussed ... I'm certainly glad to have a copy on my bookshelf!

Susan R. Kephart, Dept. of Biology
Willamette University, Salem, OR

[Reprinted from Plant Science Bulletin,
Vol. 43, No. 3, Autumn, 1997.
Pub. by Botanical Society of America.]

NPSO/ODA Intern Report

The following is the first in series of three articles in which NPSO/ODA interns discuss their activities during the 1997 field season. Interns were selected from a pool of applicants and worked with scientists from the Oregon Department of Agriculture/OSU Plant Conservation Biology Program to carry out research related to threatened and endangered species in Oregon. Project locations ranged from coastal beaches to serpentines of southwestern Oregon to the eastside's high desert. Interns were jointly funded by NPSO, state and federal dollars and plan to use their experiences to further their careers in botany and biology. Elena Kelley, whose article on the breeding system of *Kalmiopsis* is presented below, was also supported by the Portland Garden Club through a grant to OSU graduate student Kelly Amsberry for research on hairy popcorn flower. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye
Plant Conservation Biology Program
Oregon Department of Agriculture

KALMIOPSIS PLEASE. ON THE ROCKS.

It began on a rocky slope somewhere in Douglas County. I had slept most of the car ride to our site, so I was about as oriented as a compass on the MIR space station. My body had long before been aware of the rough gravel road we were traveling on, but the rest of me remained confused as to our location. As I rubbed awake my sleepy eyes, our path soon became recognizable. We were going up a small mountain. The landscape consisted of anything from heavily wooded areas to clear cuts and seemingly benign slopes to nearly vertical rocky cliffs. I asked my comrades, Oregon Department of Agriculture botanist Steve Gisler, and visiting graduate student Matt Carlson, as to our whereabouts. They were quick to produce an atlas and another map for me to look at. With some help I could finally pinpoint our location as just past Dry Creek, along the North Umpqua. Our ultimate destination: a friendly growing place for the rare plant *Kalmiopsis* "*fragrans*." Our goal: to perform experiments evaluating its reproductive ecology. (Note: *Kalmiopsis* "*fragrans*" is currently being described by Meinke and Kaye as a species separate from its congener, *Kalmiopsis leachiana*, known from the Kalmiopsis Wilderness in

southwestern Oregon.)

Prior to the excursion, I was briefed on some of the trials and tribulations synonymous with the name *K. "fragrans*." The first and foremost of the pre-trip facts was that our plant favors rocky outcrops. In other words, it grows in habitats not even suitable for a mountain goat. Secondly, the elusive *Kalmiopsis* comes in the form of two reproductive morphs: pin plants and thrum plants. Pin plants are equipped with long styles and short stamens while thrum plants have short styles and long stamens. Biologists have often found that plants with this type of reproductive morphology have similar *modus operandi*. Generally, pollen from pin plants successfully fertilizes thrum ovules while pollen from thrum plants fertilizes pin ovules. Any intramorph or self pollination usually results in drastically reduced numbers of seeds. In addition, the intramorph crosses often mirror the commonly low seed numbers resulting from selfing. This complex system is thought to protect plants from fertilizing themselves or others that may be too close genetically. Except in certain instances, pollination experiments using distylous plants (pin and thrum plants) have revealed that this is a fairly reliable system.

K. "fragrans," however, is one of the exceptions. As one of the program's many ongoing projects, the Plant Conservation Biology Program at ODA wanted to test the reliability of the pin and thrum system in *K. "fragrans*." Thus, an experiment testing the efficacy of *K. "fragrans*" distyly was designed as follows. A series of pollinations was conducted in six different forms: pin x self, thrum x self, pin male x thrum female, pin male x pin female, thrum male x pin female, thrum male x thrum female.

The result of the data for several years shows that the highest number of seeds produced came from intermorph pollinations. While this in itself is not surprising, it was quite a curious matter to learn that, despite lower seed production from intramorph pollinations, they still fostered a notably substantial number of healthy looking seeds. Of greater note was the observation that production intramorph seeds was nearly double that from selfed plants, a fairly uncommon occurrence in species with a pin-thrum structure. These pollination experiments made it clear that, although the plant suffers a lower seed production when selfed or crossed intramorph, the heterostylous system is far from foolproof.

Evolutionarily, such results pose some intriguing

questions. Is *Kalmiopsis* "*fragrans*" a budding distylous plant merely perfecting its newly formed reproductive system? Or rather, has *K. "fragrans"* already tested the merits of the pin and thrum system and is currently moving toward becoming a single morph species? Or perhaps the rarity of *K. "fragrans"* combined with its practically indiscriminate breeding has weeded out many of the species' deleterious genes, as is often found in many regularly inbreeding plants. We will only begin to understand the answers to these questions by performing in-depth research on the relative of *K. "fragrans," K. leachiana*, a paleoendemic plant in the Kalmiopsis Wilderness and the only other heterostylous plant in the Ericaceae. Continuing study of these two unusual, ericaceous plants could prove extremely valuable in their continued preservation.

As well as providing assistance with the *Kalmiopsis* "*fragrans*" study, my summer internship included participation in the reintroduction of *Plagiobothrys hirtus* in southern Oregon and several other Plant Conservation Biology Program projects. I would like to thank Tom Kaye, Steve Gisler, Matt Carlson, Bob Meinke, Anne Turner, Sanyaalak Burkhart, Shannon Clery, Carla Cole, the NPSO, and the Portland Garden Club for giving me a summer experience I will never forget. I especially thank graduate student Kelly Amsberry for her continued support, guidance, and endless patience.

Elena Kelley

Magazine Review

Plant Talk: Plant Conservation Worldwide. Published quarterly. Subscriptions US \$27.00 annually. Orders from the Americas: Plant Talk, P.O. Box 65226, Tucson, AZ 85728-5226. Editor: Dr. John Akeroyd, P.O. Box 500, Kingston upon Thames, Surrey KT2 5XB, U.K. A WWW site is under development, but e-mail is *plant-talk@dial.pipex.com*

Plant Talk is a magazine about conservation issues, news, views and activities which are international in scope. First published in April, 1995, its mission is "to bring conservation and biodiversity to much wider attention, and to place them in a proper global perspective." It is published in the United Kingdom and is not associated with any conservation or environmental organization. The director, Hugh Synge, and the editor, Dr. John

Akeroyd, are both veterans of the international plant conservation community. Synge designed and ran the IUCN/WWF Plants Programme and Akeroyd has a background in Mediterranean botany. He revised volume one of *Flora Europaea* and has also written many papers on plant taxonomy. The *Plant Talk* advisory panel is made up of nine leading scientists, including Dr. Peter Raven of the Missouri Botanical Garden.

This is clearly an important journal that fills a niche in the reference literature for the botanical community because it truly does appeal to a broad audience. The articles I have read support the editor's claim that it is "user-friendly with rigorously scientific content and a style that is understandable to the non-professional." The articles are engaging, substantive, concise and the entire magazine can be read in an evening or two. Contents include sections on "Conservation News" and "Special Features." Both highlight specific regions or groups of plants that illustrate the applications of conservation and biodiversity principles. Example of articles that have appeared in "Conservation News" include "Medicinal plants: World Bank interest" and "The other cost of war: protecting plant genetic resources." My favorite articles in the "Special Features" section have included one about saving the spectacular flora of Socotra (and I thought this was just a fictional island mentioned by Kipling in *How the Rhinoceros Got His Skin*), one about plant diversity on Crete and a very informative article titled "On Revising a Genus." The "Regular Features" section includes "New Red Data Books" which is an update of plants in danger of extinction from around the globe, "New Protected Areas" and "Book Reviews." The final section of the magazine is titled "100 Plant Facts for Campaigning Conservationists" which is a compendium of useful facts. Eight to ten facts are presented in each issue. There are also editorials, letters, notices of conferences and other relevant events, and profiles of botanists, ecologists and conservation leaders.

For NPSO members this magazine is a tie to the international botanical community. It is not yet widely available (neither the University of Oregon nor the Eugene Public Library has it) but Lane Community College in Eugene plans a one year trial subscription.

Gail Baker
Emerald Chapter

Nominations Report

The Nominations Committee has been pestering the membership in order to prepare a slate of nominations for the 1998 elections. This is the procedure: we whine and wheedle until we get the required number of members to agree to appear on the ballot. According to the bylaws, a report will be made to the president by December 15. Actually, we are going for December 1, as the slate will be published in the January issue of the Bulletin, and the Bulletin deadline is December 10. Let's think about changing the bylaws to reflect that deadline.

The names of additional nominees submitted by any group of five or more dues paying members will be printed in the Bulletin's February issue. Here again, the timing is a little tight. The slate will be in the January issue, and the deadline for February is January 10. We can probably live with that, unless the membership really feels it needs to be changed.

The ballot will be enclosed with the March Bulletin and mailed to all paid-up members with instructions that it be returned not later than April 1. The newly-elected officers take office at the conclusion of the annual meeting.

There are a few more requirements listed in the bylaws. Consult your bylaws or phone me (541-247-7153) if you have any questions, and I will try to answer them.

Veva Stansell, Chair
Nominating Committee

EMERALD CHAPTER HONORED

The Emerald Chapter of the NPSO has been acknowledged by Mount Pisgah Arboretum (MPA) for extraordinary, long-term, voluntary service and commitment to both the Arboretum and the community at large. The "President's Service Award" from MPA will be presented to the Emerald Chapter at MPA's annual meeting on October 14, 1998. Over the Arboretum's 25-year history, many NPSO members have contributed to the Arboretum with time and financial support, individually as well as collectively through the chapter. We are honored to have been recognized for this partnership in plant education and conservation.

Gail A. Baker
Emerald Chapter

Moss Magic

On the first day of hunting season, nineteen moss enthusiasts congregated at Lake of the Woods in the southern Oregon Cascades to hunt mosses and liverworts. This weekend workshop was instigated by Dr. David Wagner, bryologist extraordinaire, and Sarah Malaby, botanist with the Winema National Forest. It was attended by many Siskiyou Chapter, NPSO members as part of a Challenge Cost Share (CCS) with the Winema National Forest. We were joined by NPSO members from the Coast, the Corvallis Chapter and the newly-formed Klamath Basin Chapter. We were also graced with the presence of the Pistol River Plant Goddess, also known as the Slime Mold Queen.

The weekend was packed full of moss field identification. Most of us knew very little about bryophytes (mosses and liverworts) on Saturday morning, but by afternoon our brains were overflowing with bryophyte names and terms. Genus names of *Aulacomnium*, *Polytrichum*, *Pohlia*, *Meesia*, *Calliergon* and *Philonotis* became old friends. Our favorite new term was julaceous. We learned much about these species and even witnessed the discovery of a new *Helodium blandowii* site.

Saturday night, after a terrific potluck, we gathered around a few microscopes and examined cellular features while discussing the non-field aspects of the keys. The next day, a dedicated few remained to cover part of another wetland and find some new sites of liverworts. The second day really helped my brain retain some of the identifications of the first day. We continued north along Four Mile Lake, under newly snow-dusted Mt. McLoughlin, to check a few more moss sites and view a variety of mushrooms.

It was hard to say goodbye to this special weekend. We were able to learn so much about bryophytes and help with the inventory. It opened many eyes to this new world that has been at our feet. Special thanks to Dave Wagner for wonderful instruction to those of us who knew so little, to Sarah Malaby for working out the CCS and comfortable accommodations, and to Jennifer Beigel for getting the information out to all of us.

Barbara Mumblo
Siskiyou Chapter

NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

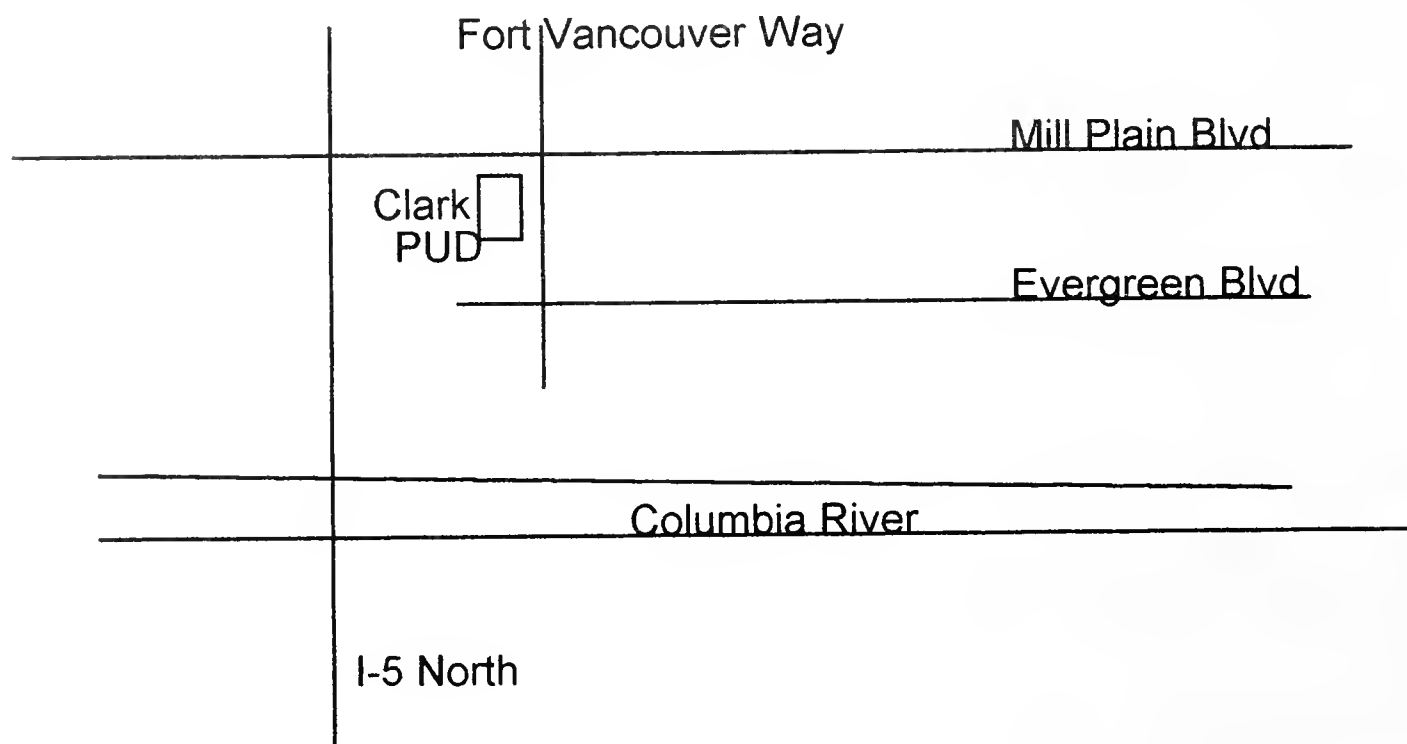
NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO T-Shirts are available in various colors and designs and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

Conservation and Management of Native Plants and Fungi: Proceedings of an Oregon Conference on the Conservation and Management of Native Vascular Plants, Bryophytes, and Fungi. Edited by Thomas N. Kaye, Aaron Liston, Rhoda M. Love, Daniel L. Luoma, Robert J. Meinke, and Mark V. Wilson, with a foreword by Reed F. Noss. Available from NPSO Conference Proceedings, 804 Jefferson Ave., La Grande, OR 97850. (541-962-7749). \$20, plus \$5 for shipping for the first copy, \$2.50 for shipping for each additional copy.

Map showing location of January Board meeting.



Member
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NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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DUES include monthly *Bulletin* and *Kalmiopsis* when published. Membership is for calendar year, January to December.

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*Only for those wishing to subscribe
 but not have "membership" status*

Is this a change of address?

If so, please write your **old address** here:

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Jean Davis Memorial Scholarship Fund. \$ _____
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Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

**Membership is for the calendar year.
 New memberships enrolled after September 1
 include the following year.**

Send completed form and full remittance to:
Jan Dobak, NPSO Membership Chair, 2584 NW Xavier St., Portland OR 97210-2412

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

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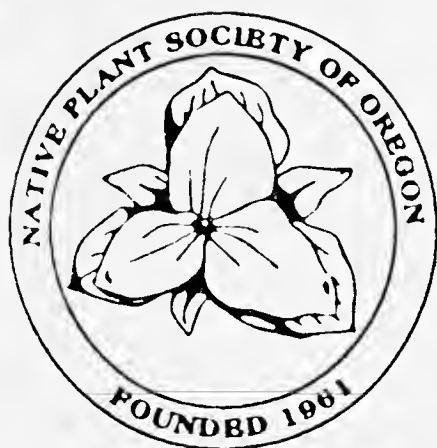
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NATIVE PLANT SOCIETY OF OREGON
World Wide Web: <http://www.teleport.com/nonprofit/nps>
General Business Address: P. O. Box 902, Eugene, OR 97440
or correspond directly with the Officers and Committee Chairs listed on the inside back page.
Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412

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***Bulletin* of the Native Plant Society of Oregon**

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 30

NUMBER 12

DECEMBER 1997

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It's Renewal Time

The NPSO membership year is January to December. Now is the time for members to renew.

A remittance envelope is in this issue of the Bulletin. Or use the membership form on the inside back page.

NPSO brings you field trips, programs, classes, the monthly Bulletin and Kalmiopsis.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plan Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. Contributions can also be made to the NPSO general fund.

Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

Note for EFO contributors: If you are receiving the Bulletin because you have designated part of your contribution to NPSO, your membership will continue for one year from the time of your contribution; you do not need to send a renewal payment now.

State News

Jan. 31, Sat.

State Board Meeting: 10 A.M. - 4 P.M. Clark Public Utilities Building, 1200 Fort Vancouver Way, Vancouver, Washington. Directions: About one mi. from I-5 bridge between Vancouver and Portland. Take Mill Plain exit off I-5, go east one block on Mill Plain, turn right on Fort Vancouver Way to building entrance. Public Meeting room is at south end of building.

May 8 - 10

Annual Meeting: Mosier, Oregon, the heart of the Columbia River Gorge! Registration information will appear in the March Bulletin.

Chapter News

Blue Mountain

Dec. 1, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Bruce Barnes will demonstrate the latest version of the computer plant keys.

Corvallis

Dec. 8, Mon. **Meeting:** 7:30 P.M. Holiday slide/dessert potluck. Come join us for our annual sharing of 10 to 15 slides and a dessert, at Loren Russell's house, 3420 SW Wilamette Ave., Corvallis. For more information, call Loren, 752-7558.

Surveys: LAST CALL for the Corvallis Chapter surveys (sent last month). Please return them no later than Nov. 30, so they can be compiled. If you need one or have questions, call Carolyn at 752-7132. Thanks for responding!

Spring Garden Sale: Any donations of pots, native plant seeds or plants for the next Spring Garden Sale are welcome. Please contact Esther, 754-0893, for more information.

Emerald

Dec. 6, Sat. **Field Trip:** Lichens with Linda. Join us for a day of learning about lichens at the William L. Finley National Wildlife Refuge. Led by Linda Geiser of the Siuslaw National Forest. Meet: 9 A.M., S. Eugene H.S. parking lot. Bring lunch, a hand lens if you have one, and appropriate dress for the weather. Bring binoculars if you want to stay into the afternoon and go birding with Peg and Bruce. For more information, call Bruce at 343-2364.

Dec. 8, Mon. **Meeting:** 7:30 P. M. Room 110, Science Building, g main campus, Lane Community College, Eugene. Come for our annual holiday party. Bring a dozen of your favorite slides if you wish, and a finger food snack to share, if convenient. Your chapter will provide punch and decorations. See you there! Directions: From 30th Ave., turn south on Eldon-Schafer Drive, go past Oak Hill School and park in LCC's south parking lot, east end. Walk downstairs to Science Building. Entrance to room 110 on east side of bldg. NOTE CHANGE FROM 4TH TO SECOND MONDAY.

Jan. 24, Sat. **Field Trip:** Winter Twig Walk, co-sponsored by Mt. Pisgah Arboretum and NPSO. Fees will be used to support MPA's Education Program. Judith Manning of MPA's Board of Directors will take us on a 2 hour walk and help us identify trees using only their twigs. Meet: Mt. Pisgah Arboretum Visitor Center, 10 A.M. Bring hand lens, ruler and pocket knife (if possible) and \$3 (\$2 for Arboretum members). You'll receive a copy of Dr. Rhoda Love's Key to Winter Twigs of Deciduous Trees and Shrubs at Mt. Pisgah Arboretum (revised Oct. '97). For more information, call 747-1504.

Jan. 26, Mon. **Meeting:** 7:30 P.M. Room 109, main campus, LCC, Eugene. Free-lance writer Christine Colasurdo of San Francisco will give a slide-illustrated talk titled "Sprouting in the Shadow of the Volcano: The Flora of Mount St. Helens." Christine, who wrote the biography of Ema Gunther for the NW Plant Hunters book, will also read from her new book, "Return to Spirit Lake: Journey Through a Lost Landscape," which is being published by Sasquatch Books of Seattle. See Dec. meeting for directions. Entrance to room 109 is on the south side of the building.

High Desert

Meeting: There will be no meeting in December.

Klamath Basin

Dec. 9, Tues. **Meeting:** 7 P.M. Dessert/snack potluck at Susan Erwin's house. Bring food item to share, wine/beer/beverage of choice and up to 10 slides of interesting plants, if you have them. Call Susan at 885-8360 for directions.

Mid-Columbia

Officers: Newly elected officers are: Barbara Robinson, president; Heather Laub, vice president; Krista Thie, secretary/treasurer. We are seeking candidates take on the treasurer duties. Many thanks to all our chapter officers, past and present.

Dec. 3, Wed. **Meeting:** 7:30 P.M. Mosier School. Bonnie Brunkow of the Leach Botanical Garden will give us a slide show on the flowers of Turkey and Mt. Olympus.

Jan. 7, Wed. **Meeting:** 7:30 P.M. Mosier School. Jerry Igo will give a presentation on Lewis and Clark.

North Coast

For information on North Coast Chapter, call Christine Stanley, 503-436-0161.

Portland

Dec. 9, Tues. **Meeting:** 7 P.M. Room 202, First United Methodist Church, 1838 Jefferson St., Portland. Members' night. Bring 10 - 15 of your favorite slides (or other botanical wonders) to amaze the group. NOTE: SINCE ROOM NUMBER WILL NOW CHANGE FROM MEETING TO MEETING, IT WILL BE LISTED IN ANNOUNCEMENT.

Siskiyou

Dec. 18, Thurs. **Meeting:** It's time for our holiday gathering. 7 P.M. at Joan Seever's home, 725 Leonard St. Romain Cooper and Christy Dunn will present a slide show, "Wild Places and Wild Plants: A Naturalist's View of the Southwestern Siskiyou." Dessert potluck. For more information or for directions, call Jennifer Beigel, 592-4459 (w), or 592-2831 (h).

South Coast

For information on South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

Dec. 11, Thurs. **Meeting:** Potluck at Hillcrest Vineyard. Share your field trip or other botanical experiences. Bring some photos, slides and revelations. From Roseburg, proceed west on Garden Valley, Melrose, and Doerner roads, then north on Elgarose to Vineyard Lane and winery. For information, call Richard Sommer, 673-3709.

Willamette Valley

Meeting: No meeting in December.

William Cusick

Dec. 3, Wed. **Meeting:** 7 - 9 P.M. Union-Baker ESD building, 2100 Main St., Baker City (across from the Basche-Sage bldg.) Paula Brooks will present slides of flowers people might like to grow in their gardens, and Dick Kenton of Plantworks Native Nursery and Clair Button of the BLM will discuss how to propagate them. NOTE: THIS MEETING IS BEING HELD IN BAKER CITY, BECAUSE THERE ARE CHAPTER MEMBERS AND OTHER INTERESTED FOLKS THERE. THE PRESENCE OF LA GRANDE MEMBERS, TO SUPPORT THE NATIVE PLANT SOCIETY IN BAKER, WOULD BE APPRECIATED.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

POSTAL NOTICE

Bulletin of the Native Plant Society of Oregon; John Robotham, Editor; 117 NW Trinity Pl. #28, Portland, OR 97209.
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Opinions expressed in this publication are those of the authors of the articles.
They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public.

All kinds of contributions are welcome. **Copy is due by the 10th of the month.**

CREDITS: Identify author and affiliation. If it is not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some Macintosh graphics can be used. Contact editor for current needs, or send illustrations with the article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. The use of a modem is not possible at this time.

For further details, consult editor.

ORIGINALS: Submissions are not returned, unless requested.

President's Message

I was reading the October issue of *Fremontia*, a journal of the California Native Plant Society. The first article was titled "Why is California's Flora so Rich?" The authors start out as follows: "More than 6,000 species, subspecies and varieties of native plants, conifers and ferns grow in the gentle oak woodlands, lofty mountains, spacious deserts and along the magnificent coast of California. This is nearly one fourth of all plant types found in North America north of the Mexican border and more than are found in any other state." After reading this I wondered if the diversity in California was really greater than the diversity of native plants in Oregon. After all, California is a much larger state than Oregon and diversity must be considered in relation to relative size, if we want to make comparisons. I looked up the November, 1995 issue of the NPSO Bulletin, page 128, and found that "current estimates at Oregon State University place the number of taxa in the state at 4,391 (excluding cultivated taxa)." The article in *Fremontia* claimed over 6,000 species, etc. for California, as stated above. I looked up the relative size of California and Oregon and found that California is 1.63 times as large as Oregon. If we compare 6,000 versus 4,391, the ratio is 1.37. Thus California is 1.63 times larger than Oregon it should have 1.63 times as many native plants to justify a claim that it has a more diverse and rich flora than Oregon.

At the September Board meeting a motion was made and passed directing me to write to the Jepson Herbarium in regard to the cost of acquiring corrections to *The Jepson Manual*. There was a feeling that purchase of the Manual should have included complimentary copies of the corrections. I wrote to the Director of the Jepson Herbarium. His response follows:

Michael Fahey
President, NPSO

Dear Mr. Fahey,

I am writing in response to your letter of 9/30/97. Since the Jepson Herbarium depends on goodwill from knowledgeable botanists across the West, I really want to clarify any misunderstandings among your membership about the Jepson Herbarium and its projects.

First of all, you should realize that we are not a commercial operation or a state-funded agency. The Jepson Herbarium is a privately-endowed unit within the University and depends on income

from its modest endowment, grants, and income from the Friends of the Jepson Herbarium, a support that raised most of the money for the *Jepson Manual*, for example. Since we are not the publisher, we don't receive most of the income from the sale of the Manual, only a small percentage royalty, but these royalties go into a fund restricted to support further revisions to the Manual. We publish corrections and additions to the Manual from time to time in the *Jepson Globe* (copy enclosed), a newsletter that goes out to all the Friends of the Jepson Herbarium (more than 1500 people). We are quite liberal about our list of Friends, i.e., we don't comb through it to delete people who haven't given a recent contribution, so basically anyone who has ever made a contribution is on the list, as are all authors, etc. You are right that we should add those who have sent in a large number of suggestions, as well (see below).

So you see, we aren't selling the updates, but rather publishing them in our newsletter. The updates are of two types. Some are corrections of errata in the original printing (e.g. typographical errors, etc.), and as you say those should be available to any purchaser of an original printing. The second type of update, however, involves an actual revision (e.g., fixing a key that didn't work, changing a description to better fit new data), and those require a lot of time, effort, and expertise to track down and take care of. We employ a half-time staff member and at least one work-study student to work on this, and I think it is fair to give this new information to people who have contributed funds towards these expenses. As president of a non-profit yourself, you certainly must understand the need to generate funds to support your valuable work. You don't give your newsletter or publications away free, neither does CNPS or any other botanical society.

We are a strong supporter of native plant societies (an institutional member of your society, for example, as well as CNPS and other western native plant societies), and I want to maintain a good relationship with you because we have a common goal: to understand and conserve the native flora. Thus, in the interest of cooperation, if any of your members would like a list of errata to the original printing, and either can't afford or don't wish to make a donation to the Friends of the Jepson Herbarium, have them write me and I will send them a free list. I will also look into the feasibility of giving a complimentary subscription to the *Globe* to everyone who has made major contributions to the corrections and updates of the Manual.

I hope in this way we can heal any misunderstandings that might exist, and get on with our mutual endeavors. Please convey our best wishes to your members, and assure them that I appreciate their interest in and support of the Manual and welcome any further comments or suggestions.

Sincerely yours,
Brent D. Mishler
Director, University and Jepson Herbaria
Professor, Dept. of Integrative Biology
University of California, Berkeley

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NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (541-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455, \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

Conservation and Management of Native Plants and Fungi: Proceedings of an Oregon Conference on the Conservation and Management of Native Vascular Plants, Bryophytes, and Fungi. Edited by Thomas N. Kaye, Aaron Liston, Rhoda M. Love, Daniel L. Luoma, Robert J. Meinke, and Mark V. Wilson, with a foreword by Reed F. Noss. Available from NPSO Conference Proceedings, 804 Jefferson Ave., La Grande, OR 97850. (541-962-7749), \$20, plus \$5 for shipping for the first copy, \$2.50 for shipping for each additional copy.

Kalmiopsis Wilderness and Port Orford Cedar

I want to thank the NPSO members who submitted comments on the Draft Environmental Impact Statement for motorized access to non-federal land in the Kalmiopsis Wilderness. The Siskiyou National Forest received approximately 366 letters, 95% being opposed to permitting any motorized access to the patented Wilderness mining claims on the Little Chetco River (see March, 1997 NPSO Bulletin). In addition, two of the leading scientists, on Port Orford cedar (*Chamaecyparis lawsoniana*) and *Phytophthora lateralis*, the non-native pathogen killing Port Orford cedar and Pacific yew (*Taxus brevifolia*), questioned the effectiveness of the proposed "risk reduction" measures and recommended no motorized access. Despite overwhelming opposition to granting motorized access, scientific logic and the strength of the Wilderness Act itself, the Forest Service issued a Final Environmental Impact Statement on November 1 with a new preferred alternative that compromises the values of the Kalmiopsis Wilderness the agency is mandated to protect.

The FEIS preferred alternative would permit 8 round trips of three vehicles each during the dry season. Reconstruction and maintenance of the trail/road "in the Wilderness" by heavy equipment would not be permitted. This compromise alternative should not be accepted because 1) the high risk to Port Orford cedar and the ecological integrity of the Wilderness remains (the effects of root disease introduction are irreparable and irreversible), 2) permitting "limited" motorized access only defers environmental analysis of lodge construction and logging to a future document, 3) permitting motorized access to non-federal lands in the Kalmiopsis sets a precedent for future increased access, and 4) Congress specifically inserted a provision in the Wilderness Act for land exchange when there is a conflict between providing access to non-federal lands and protecting wilderness values. The owner refused offers of fair market exchange or purchase.

Let your senators and representatives know the Kalmiopsis Wilderness and the rights of current and future generations for an "enduring resource of wilderness" should not be "compromised" on the whim of a few individuals. The final decision about December 1. A 45 day appeals period follows the Record of Decision.

Barbara Ullian, Siskiyou Chapter

NPSO BOARD MEETING HIGHLIGHTS

The NPSO Board of Directors met at the Central Oregon Environmental Center in Bend on September 27. This center is due, in part, to the support of the High Desert Chapter of NPSO. Because of its popularity for use in environmental education and meetings, Stu Garrett, High Desert Chapter president, recommends such projects for other chapters. Other conservation projects on the east side of the state include: establishing a Research Natural Area between Madras and Redmond, input to Eastside EIS process, working with statewide and local weed coordinators on pamphlets and Weed Awareness Week, and a regionwide BLM initiative to elevate weed awareness in Oregon and Washington.

The fall Environmental Federation of Oregon (EFO) campaigns are starting. Members can help NPSO fill its 100 annual volunteer hours as an organization by performing small tasks such as stuffing envelopes for individual companies, giving presentations, or distributing information about EFO. Contact Shane Latimer if you are available to help. Stu Garrett offered Columbia River Gorge posters from the High Desert Chapter to be used for rewards and incentives for companies or contact employees involved in the fall campaign.

EFO seems to be reaching its fund raising goals, but they are worried that downsizing companies and agency shutdowns may change corporate and government giving. Fortunately, new companies are including EFO in their donation options and they may meet or exceed next year's fund raising goal. This is very important to NPSO because a large percentage of the NPSO annual budget comes from the fund raising efforts of EFO. In turn, this money helps us to support the many activities and internships that we feel protect and enhance the enjoyment of native plants.

A motion was passed which allows NPSO to sell the conference proceedings, Conservation and Management of Native Plants and Fungi, to booksellers at a wholesale rate. This will allow the Northwest Interpretive Association, located in many Forest Service offices, and the Berry Botanic Garden, among others, to sell the book for us. This will give the books a wider distribution than they have now. In conjunction with this effort, letters and a review of the Proceedings will be sent to other state native plant organizations. This book represents a large time commitment from the

Society and its membership and it is a potential source of thousands of dollars worth of funds for the organization. Revenue from the Proceedings is needed to fund some of our traditional activities such as internships and support of the Oregon Flora project.

State president, Mike Fahey, would like to see a vision, core values, and critical issues for NPSO be developed. The process by which this will be accomplished should help keep NPSO a vital organization, in which to be involved. Members of a newly appointed committee to pursue this process include Rhoda Love, Steve Jessop, Bruce Rittenhouse, Stu Garrett and Heather Laub, with Mike McKeag as chairperson. Anyone interested in steering the direction of the organization is welcome to join in the discussion. Members of this committee should have e-mail access so that "meetings" can take place without travel. A new Web page committee was also founded to assist in the time-consuming job of being NPSO's "web-master."

A great deal of time was spent discussing the activities of the chapters, because that is where the bulk of the action in the organization occurs. The Blue Mountain Chapter will be planting native grasses and shrubs in the Umatilla Wildlife Refuge. Members of the Corvallis Chapter continue work on Avery Garden. The William Cusick Chapter will be recognized in the local paper for their informative Gangloff Park brochure. Recent recipients of donations by the Portland Chapter include the Atlas Project and the Leach Botanical Gardens.

The Emerald Chapter recently elected new officers and committees for the coming year. Like many other chapters, they already have a full schedule of presentations, field trips and wildflower shows arranged for the fall and winter. Charlene Simpson has secured a grant for the Emerald Chapter of \$2,000 from the Environmental Protection Agency to produce a Lane County checklist by September, 1998. Bruce Newhouse has also secured a grant for the chapter of \$3,000 from the Fish and Wildlife Service to survey *Lomatium bradshawii* in the Amazon Creek corridor in Eugene. The Emerald Chapter continues its interest in local conservation issues such as the extension of West 11th Avenue through wetlands, and management of *Cypripedium montanum* on BLM land in southern Lane County.

The High Desert Chapter has coordinated many weed field trips with the BLM and USFS, includ-

ing: a medusahead pull on the Island RNA; teasel/knapweed control at Alder Springs, Squaw Creek and the Deschutes River; and a toadflax pull at Pilot Butte State Park. Both the High Desert and Mid-Columbia chapters held plant shows in the spring which attracted hundreds of visitors.

The Willamette Chapter met recently and decided to support many projects such as a native plant identification class at Chemeketa Community College, surveys along the Willamette River greenways, maintaining a small collection of dried and pressed native flowers to show at schools and senior centers, monitoring local plant communities by working with county officials, and working with local Boy Scouts in conservation projects.

NPSO's newest chapter in Klamath Falls drew 30 people for its first meeting. Already, members are planning a revegetation project along a nature trail. A local reporter is interested in native plants so publicity for NPSO projects is a good possibility.

The meeting -- unusually -- was over only two and one half hours after it began, and the board members were off to their far-ranging corners of the state to continue their efforts to protect, enhance, and, of course, to enjoy Oregon's native plants.

Heather Laub
Secretary, NPSO

Update on the Nicore Mine

The potential destruction of the Rough and Ready Creek watershed by the proposed NICORE Mine (see April Bulletin) is gaining national and international attention. In addition to the "Window on the West" feature in the September issue of Sunset Magazine (see October Bulletin), the current front page of World Wildlife Fund's international web site features Rough and Ready Creek and the Klamath-Siskiyou. But much still needs to be done to raise public, scientific and congressional awareness of Rough and Ready Creek's plight and values. The Siskiyou Project and Barbara Ullian have produced a ten minute video about Rough and Ready Creek and the 1872 mining law, to be used as a tool to gain public opposition to the NICORE Mine and support for preserving the 23,000 acre watershed. The video footage was taken over a one and a half year period, in an attempt to share the many moods, seasonal variation

and botanical diversity of this exceptional landscape. Written information on Rough and Ready Creek, the NICORE mining operation and actions to take will be included. To obtain a copy of the video, write to: Siskiyou Project - R&R Video, P.O. Box 229, Cave Junction, OR 97523, or phone (541) 592-4459.

The Siskiyou National Forest is scheduled to release the Draft Environmental Impact Statement on the NICORE Mining Plan of Operation on January 15, 1998. Please be sure you're on the Forest Service's mailing list to receive the Draft EIS (address in April Bulletin) and the Siskiyou Project's mailing list to receive an action alert and comment guide on the DEIS (see above).

Barbara Ullian

Book Review

Northwest Penstemons, by Dee Strickler. The Flower Press, 192 Larch Lane, Columbia Falls, MT 59912. \$29.95, plus postage, hard cover. It is not very often that a species gets a book to itself, even a book covering part of its total range. There is one now, for *Penstemon*, which covers 30 percent of the total number of species. Dee Strickler, a retired university professor living in Montana, who has issued several books on Western wildflowers, has now published a well-researched volume on the genus *Penstemon* in the Pacific Northwest. His introduction is excellent, being informative and well-written. All 80 species in the four states he covers (Oregon, Washington, Idaho and Montana) are included in an introductory key. Each species then appears in a two-page spread, with an excellent color photo filling one page. The other page contains a written description, some drawings of the plant and a map showing where it grows. At the end is a glossary of terms. This book is a must for anyone working with Northwest *Penstemons*, either in the wild or in the garden. The beauty of the photographs may win new friends for the genus, also. (Note that some of these species were hard to find; the author located some that grow only in narrow ranges, on mountain tops or deep in wilderness.)

Dee Strickler is the author of *Wayside Wildflowers of the Pacific Northwest*, available in most bookstores, and three other smaller volumes dealing with Montana wildflowers. He is also an "at large" member of the Native Plant Society of Oregon.

Kenneth and Robin Lodewick
Emerald Chapter

NPSO/ODA Intern Report

The following is the second in a series of three articles in which NPSO/ODA interns discuss their activities during the 1997 field season. Interns were selected from a pool of applicants and worked with scientists from the Oregon Department of Agriculture/OSU Plant Conservation Biology Program to carry out research related to threatened and endangered species in Oregon. Project locations ranged from coastal beaches to serpentine of southwestern Oregon to the east-side's high desert. Interns were jointly funded by NPSO, state and federal dollars and plan to use their experiences to further their careers in botany and biology. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye
Plant Conservation Biology Program
Oregon Department of Agriculture

Cimicifuga elata, or, Summer Surprises

My internship with the NPSO this summer took me all over Oregon, from eastern range lands to mountain valleys to the beautiful southern coast. We visited all sorts of hidden, out of the way places, and I saw many of our rare and endangered plants for the first time. I grew up camping all over Oregon and I thought I knew our state pretty well, but I was continually surprised by how much there still is to see, how many undiscovered treasures there are waiting to be found. One of my favorite surprises of the season was *Cimicifuga elata*, tall bugbane.

Cimicifuga elata caught me off guard. It is a stunning plant. I think that anyone who sees it for the first time must immediately fall in love with it. Standing up to two meters tall, with its delicate sprays of petalless white flowers arching above humongous, prehistoric-sized multiple-compound leaves, it looks as if it had traveled here from a very ancient time and place to hide quietly away in our western woods. It is a member of the Ranunculaceae and favors steep north-facing slopes in old-growth forests. It has been found west of the Cascades from British Columbia to the southern Oregon border.

Currently, *Cimicifuga elata* is listed as endangered and threatened by the Oregon Natural Heritage Program, and as a sensitive plant by the U.S.

Forest Service, Bureau of Land Management and Corps of Engineers. Potential threats to its survival are timber management activities, lack of reproductive potential, lack of seedling recruitment, and fire suppression. Establishment of long-term monitoring plots throughout its range began in 1992. Most known populations are composed of 25-200 individuals, but in the southern part of its range, sites can contain over 2,000 plants. This summer, one of my many projects was participating in the establishment of two new monitoring plots near Ashland.

The first site we visited was reached by a long, difficult, bushwhacking hike up steep hillsides and through thistle-filled clearcuts. The population itself, discovered in 1992, is spread out across the top edge of an area which was clearcut by helicopter in 1994. At the time of its discovery, the population was estimated to be about 2,000 individuals strong and the habitat was described as "classic old growth." When we arrived there was much less old growth to be seen, but the *Cimicifuga elata* was still there, scattered among the stumps, sword fern, thistles and wasps nests.

As the day progressed, we all became quite grateful for the abundance of sword fern, because it was the only reliable hand-hold as we scrambled up and down and over and across the snag-filled, thistle-thick, dusty, poky, 45 degree slope to set up our 15 subplots. These were each one meter wide by 100 meters long, and within each one we measured the total number of plants, number of leaves per plant, number of reproductive stems, number of racemes, and herbivory. This data will serve as baseline information for detecting future changes in the population at this site and to compare it with other populations.

It was a long, grueling day, the kind of day that makes you realize why it's called "work" (these days fell few and far between this summer). By the end of it we had all accumulated our share of new cuts, bruises, scars, curses, and a slight feeling of resentment toward this rare plant for choosing such an uncomfortable site to persist in. I felt myself beginning to doubt my love of *Cimicifuga elata* after all.

As we dove to the second site the next day, Tom assured us that it would be a much friendlier place. For the most part, he was right. The population of *Cimicifuga elata* at Grizzly Peak, east of Ashland, was glorious. Huge patches of robust plants were scattered throughout a gently sloping, open, old-growth hillside, where the humming of

pollinators filled the warm air above a wonderful diversity of wildflowers and berries. It was a beautiful woodland garden, and we all breathed a sigh of relief and anticipated a pleasant, sunny day ahead. We spent the morning assessing the boundaries of the population and ended up with a 280 x 350 meter grid system which included most but not all of the plants. Within this we randomly selected twenty 2 x 50 meter plots wherein we collected the same data as at the other site, and additionally mapped and tagged individual plants. All was going just fine until lunch, when I met my least favorite surprise of the summer -- an angry wasp stirred up by my co-worker, giving me the first sting of my life, right in my eye. Within minutes the whole right side of my face was swollen to twice its normal size and I had to spend the rest of the afternoon, spaced out on Benedryl, in the back of the truck, applying cooler ice to my head. I wish I could show you a picture.

As we returned to the Ashland youth hostel for the night I thought about this rare and beautiful plant I had fallen in love with and which had made me suffer so. I felt sorely tested. But in the end I decided, of course, that the survival of this beauty is most certainly worth some small hardships. There are still many questions to be answered about *Cimicifuga elata* before we can really determine what management practices are best for its survival. It is an old-growth evolved species which seems to respond favorably, initially, to clearcutting by more plants becoming reproductive and more racemes being produced. This is probably a response to increased light availability. But *Cimicifuga elata* evolved in an old-growth dynamic and the long term effects of such severe disturbance are still unknown. Continued monitoring is needed if we wish to understand this lovely endangered plant well enough to make the right choices to ensure its quiet existence in our backwoods.

I am very grateful to the NPSO and Bob Meinke and Tom Kaye for granting me this wonderful opportunity to not only learn about our rare and endangered plants but also the science and management practices which are necessary to preserve them. I never had so much fun and learned so much at the same time as I did this past summer working with Tom, Sahni Burkhart, Anne Turner and Shannon Clery. Thank you all for being so cool. I would also like to thank Kelly Amsberry for planting the seed.

Carla Cole

Botany Anyone?

(title supplied)

There should be no monotony
In studying your botany.
It helps to train and spur the brain
Unless you haven't got any.

It teaches you -- does botany
To know the plants and spot any
And learn just why they live and die,
In case you plant or pot any.

You learn from reading botany
Of woolly plants or cottony
That grow on earth and what they're worth
And why some spots have not any.

You sketch the plants in botany.
You learn to chart and pot any
Like corn or oats, you jot down notes
If you know how to jot any.

Your time, if you'll allot any
Will teach you how and what any
Odd plant or tree can do or be
And what's the use of botany!!

The verses above are by Berton Braley, and they appeared in Science News Letter, March 9, 1929. They were sent to the Bulletin by Bruce Newhouse of the Emerald Chapter.



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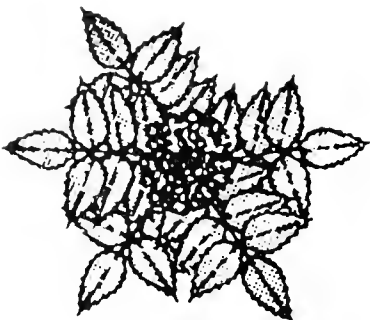
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